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Groundwater Quality Protection Program

Round Lake Beach
FACILITY NUMBER 0971550
WELL SITE SURVEY REPORT

Division of Public Water Supplies

IEPA/PWS/93-119

GROUNDWATER QUALITY PROTECTION PROGRAM:

Round Lake Beach
FACILITY NUMBER 0971550
WELL SITE SURVEY REPORT

Presented by:

Division of Public Water Supplies

Published by:

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Springfield, Illinois

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INTRODUCTION

This report has been prepared by the Illinois Environmental Protection Agency (Agency) pursuant to Section 17.1 of the Illinois Environmental Protection Act (Act). The report summarizes information about your facility and samples collected and analyzed from your well(s). The well site survey provides an inventory of the area around the well(s) to help increase your awareness of potential hazards to the groundwater utilized by your facility. This information and technical data will assist you in developing and implementing local groundwater protection measures authorized by the Act.

FACILITY DESCRIPTION AND GEOLOGIC PROFILE OF WELL SITES

Round Lake Beach has six public water supply wells. The facility produces 1,428,000 gallons per day to an estimated population of 17,685. See Table I for a description of each well. The wells utilize a shallow and deep bedrock aquifer (sand & gravel for #9) overlain by uniform, relatively impermeable silty or clayey till or other fine-grained materials more than 50 feet thick; no sand and gravel identified. Well nos. 3 & 4 are overlain by sand and gravel at the surfacr, less than 20 feet thick; underlain by till or impermeable bedrock. Permeability is the ability of a soil or sediment to transmit fluids. A detailed description and geologic profile is found in the Facility wells Report (Appendix E).

TABLE 1

Well I.D.	Setback Min. (Ft.)	Setback Max. (Ft.)	Status	Capacity (gpm) (MGD)	Specific Capacity (gpm/ft)	Treatment	Aquifer	Well Depth (Ft.)	Well Logs Avail.
Well #3 (20315)	200		A	170 .245	NA	Cl	Shallow Bedrock	342	Yes
Well #4 (20316)	200		A	170 .245	NA	Cl	Shallow Bedrock	314	Yes
Well #5 (20317)	200		A	300 .432	NA	Cl S.Phosp.	Shallow Bedrock	300	Yes
Well #6 (20318)	200		A	750 1.368	NA	Cl S.Phosp.	Deep Bedrock	1287	Yes
Well #8 (00408)	200		A	185 .266	NA	Cl	Shallow Bedrock	250	Yes
Well #9 (00409)	200		A	185 .266	NA	Cl	Sand & Gravel	161	Yes

A=Active; I=Inactive; SB=Standby

GROUNDWATER SAMPLING/MONITORING HISTORY

The public water supply wells no. 3, no.5 and no. 6 were sampled as part of the Statewide Groundwater Monitoring Network on December 16, 1986, well no. 4 on February 27, 1985. The samples were analyzed for volatile organic and aromatic chemicals (VOC/VOA) and inorganic chemcials (IOC). The VOC/VOA analyses performed detected no quantifiable levels of organic chemicals in the wells. The IOC analyses performed found the water from the wells to meet all general use guidelines. Well no. 8, was not sampled as part of the Statewide Groundwater Monitoring Network. The well has been sampled for inorganic chemicals (IOC) to comply with the Sake Drinking Water Act. In the future the wells will be sampled for volatile organic and aromatic chemicals (VOC/VOA) as part of a new amendment to the Act. The IOC analyses performed found the water in the wells to meet all general use guidelines. Well no. 4 was also sampled for Synthetic Organic Compounds (SOC). Well no. 9 has not been sampled but will be sampled in the future.

SURVEY METHODS AND PROCEDURES

The detailed well site survey consists of an aerial photographic map and inventory sheets (Appendix B-D), that relate information about potential sources, routes and possible problem sites to your water supply well(s). The location of potential sources, routes, possible problem sites, water supply wells, minimum setback zones, and 1,000 foot survey area are all displayed on the aerial photographic map.

The first page of each survey consists of a summary description and geologic profile for each well. The second and following pages of the survey inventory units within and bordering a 1,500 foot radius of the wellhead. A unit is defined as any device, mechanism, equipment, or area (exclusive of land utilized for agricultural production). The Agency five-digit well number is associated with a unit or map code, and then classified. The classification codes relate to definitions of potential contamination sources and routes as defined in the Illinois Groundwater Protection Act (see Groundwater Primer pages 18-19). The distance and direction of the unit from the wellhead is also indicated.

Survey Results and Findings:

The well site survey of Round Lake Beach was conducted on July 21, 1993 by Laurie Moyer, Environmental Protection Specialist from the Agency's Rockford Regional Office. The following describes the results and findings for Round Lake Beach.

Round Lake Beach Well #3 (20315)
The survey area is urban consisting partly of moderate density residential housing and partly of open spaces. The well is located on First St. There are no visible potential sources, routes, or possible problem sites within the minimum setback zone (200 feet) or outside the minimum setback zone but within the survey area (1500 feet).

Round Lake Beach Well #4 (20316)
The survey area is urban consisting partly of moderate density residential housing and partly a golf course. The well is located on Shorewood Rd. There are no visible potential sources, routes, or possible problem sites within the minimum setback zone (200 feet). One possible problem site is outside the minimum setback zone but within the survey area (1500 feet). This site is Shorewood Service (map code 8) located 550 feet east of the well.

Round Lake Beach Well #5 (20317)
The survey area is urban consisting partly of commercial, and partly moderate density residential housing. The well is located off Longlake Dr. There are no visible potential sources, routes, or possible problem sites within the survey (200 feet). Four possible problem sites are located outside the minimum setback zone but within the survey area (1500 feet). These sites are Commonwealth Edison Substation (map code 1) located 600 feet south of the well, Trend Plastics (map code 2) located 1450 feet southeast of the well, Jade Construction Co. (map code 3) located 1500 feet southeast of the well, and Village of Round Lake Beach-sewage lagoons (map code 4) located 1300 feet northeast of the well.

Round Lake Beach Well #6 (20318)

The survey area is urban consisting partly of commerical and partly a shopping center. The well is located off Wood St. There are two visible potential sources, routes, or possible problem sites within the survey (200 feet). These sites are MHS Automation (map code 2) located 150 feet north of the well, and Sonico Products (map code 4) located 150 feet east of the well. Five possible problem sites are outside the minimum setback zone but within the survey area (1500 feet). These sites are Diamond Garage Doors (map code 1) located 300 feet north of the well, Lake County Molding (map code 3) located 300 feet east of the well, Family Pride Dry Cleaners (map code 5) located 600 feet west of the well, Ace Hardware (map code 6) located 725 feet west of the well, and Avon Center School (map code 7) located 400 feet southwest of the well.

Round Lake Beach Well #8 (00408)

The survey area is urban consisting partly of moderate density residential housing, and partly commercial. The well is located of Sunset Dr. There are no visible potential sources, routes, or possible problem sites within the survey (200 feet). Three possible problem site is located outside the minimum setback zone but within the survey area (1500 feet). These sites are Trend Plastics (map code 2) located 1300 feet south of the well, Village of Round Lake Beach (map code 4) located 400 feet west of the well, and Raymond Ellis School (map code 5) located 500 feet northwest of the well.

Round Lake Beach Well #9 (00409)

The survey area is urban consisting partly of commercial and partly a shopping center. The well is located off Wood St. There are two visible potential sources, routes, or possible problem sites within the survey (200 feet). These sites are MHS Automation (map code 2) located 175 feet north of the well, and Sonico Products (map code 4) located 200 feet east of the well. Five possible problem sites are outside the minimum setback zone but within the survey area (1500 feet). These sites are Diamond Garage Doors (map code 1) located 325 feet north of the well, Lake County Molding (map code 3) located 325 feet east of the well, Family Pride Dry Cleaners (map code 5) located 600 feet west of the well, Ace Hardware (map code 6) located 725 feet west of the well, and Avon Center School (map code 7) located 350 feet southwest of the well.

SUMMARY

The well site survey conducted located two potential sources, routes, or possible problem sites within the minimum setback zone,(for well no. 6 and well no. 9) and (one for well no. 4, four for well no. 5, five for well no. 6, three for well no. 8, and five for well no. 9) potential source or possible problem site outside the minimum setback zone but within the survey area. The sampling and monitoring to date has detected no contamination in the groundwater utilized by the facility.

The Illinois Environmental Protection Act provides minimum protection zones for your wells. These minimum protection zones are regulated by the Agency. The Act also authorizes county and municipal officials the opportunity to provide maximum protection zones up to 1,000 feet. The responsibility for the control would then be assumed by the local officials through adoption of a maximum setback zone ordinance.

Maximum setback zones prohibit the siting of new potential primary sources of groundwater contamination. A maximum setback up to 1,000 feet could expand the regulatory coverage of certain existing and new activities. These controls could be implemented upon the adoption of proposed regulations by the Illinois Pollution Control Board.

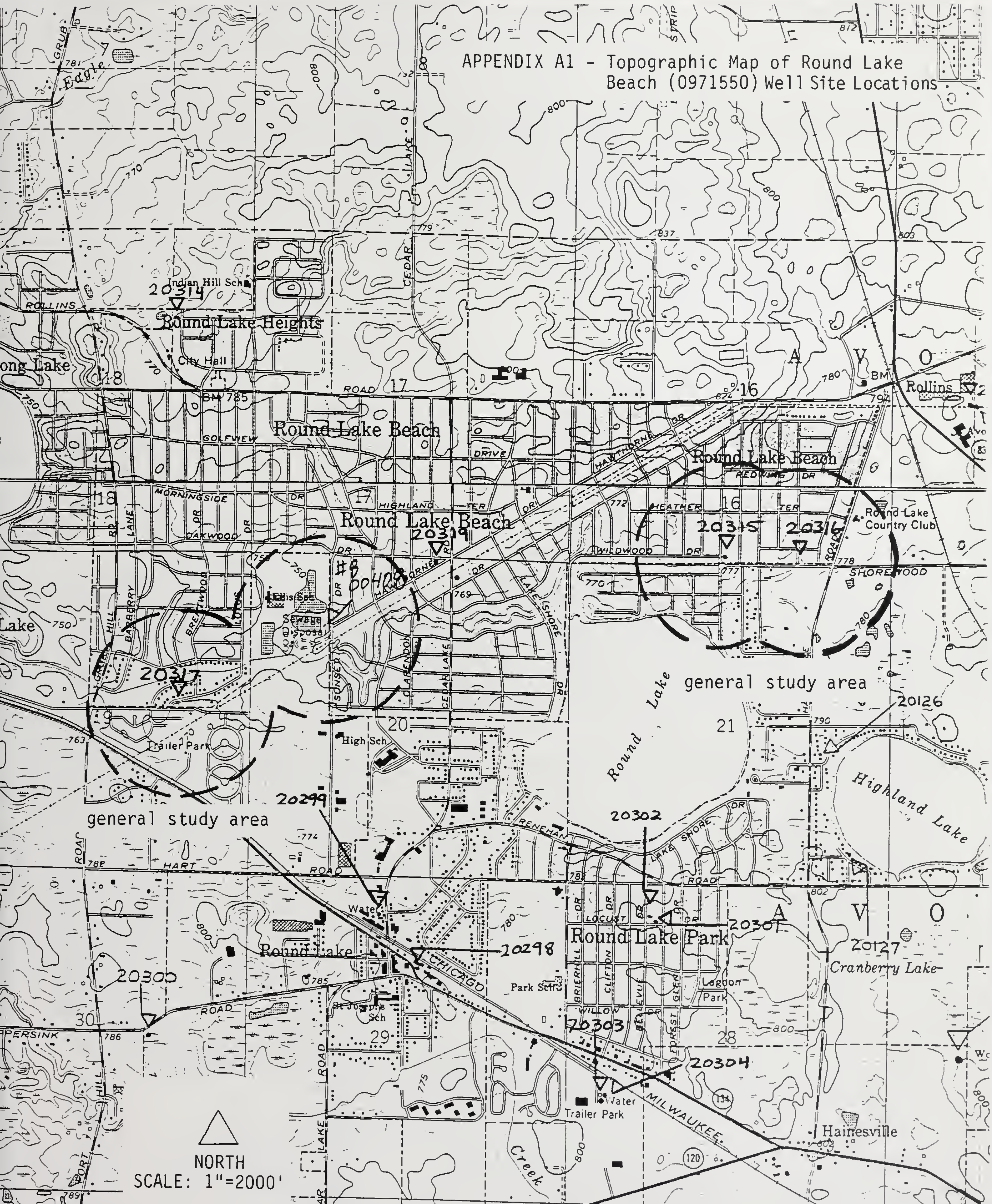
RECOMMENDATIONS

The Agency strongly urges Round Lake Beach to consider establishing a maximum setback zone ordinance for its wells. Maximum setback zones prohibit the siting of new potential primary sources of groundwater contamination up to 1000 feet from respective wellheads. Regulatory coverage of certain existing activities could be expanded upon adoption of proposed regulations currently before the Illinois Pollution Control Board. To aid you in the development of further regulatory coverage for your well supply, the Agency prepared a "Maximum Setback Zone Workbook" that provides detailed case studies of how to establish maximum setback zones. This text and further technical assistance is readily available form the Agency and the Illinois State Water Survey.

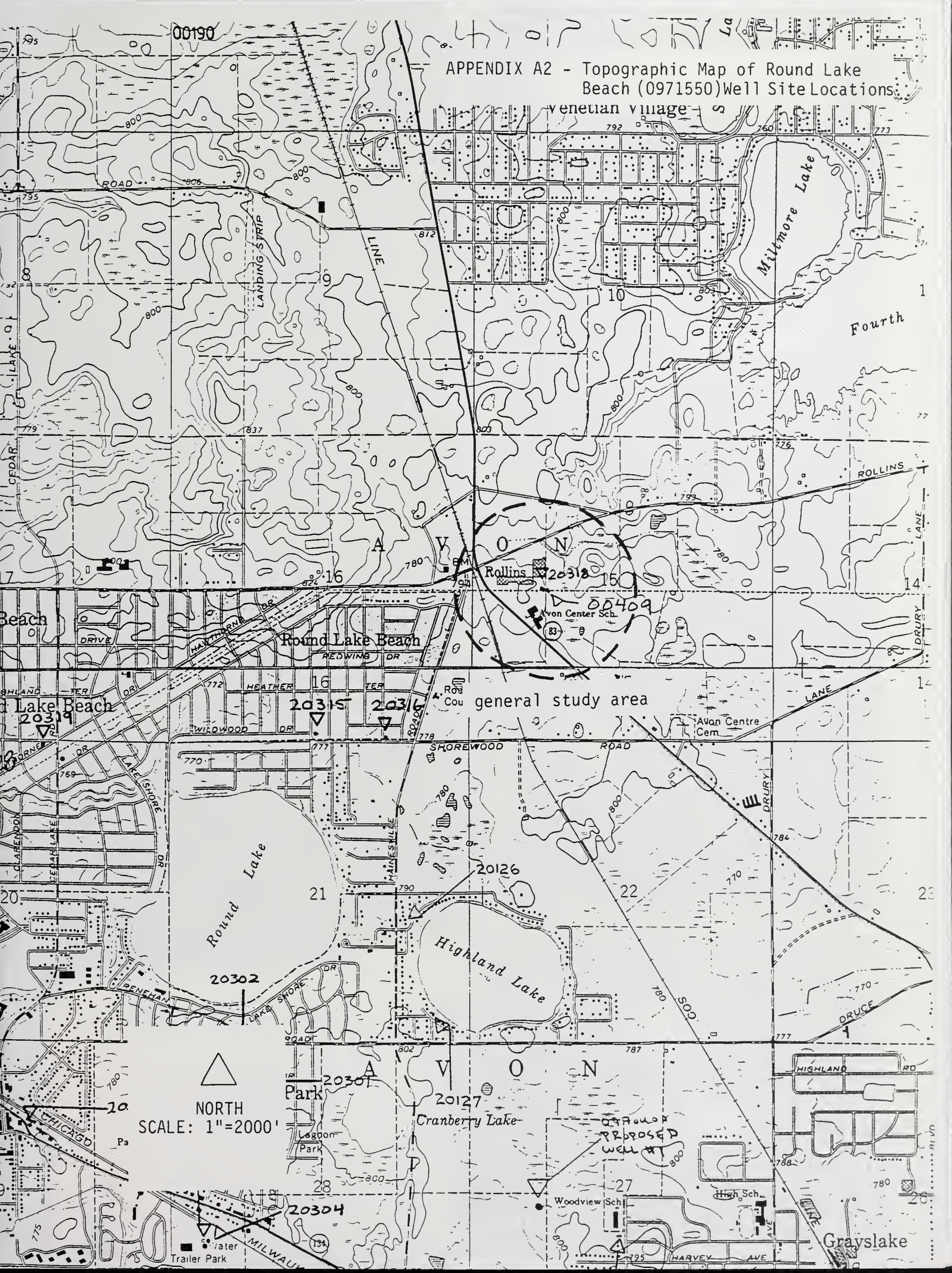
Local governments are also encouraged to consider conducting groundwater protection needs assessments. Any county or municipality having a population less than 25,000 or 5,000 persons respectively, may request the Agency to conduct a hazard review in lieu of a need's assessment. The Agency may issue an "advisory of groundwater contamination hazard" if a significant hazard to the public health or the environment exists.

TECHNICAL APPENDICES

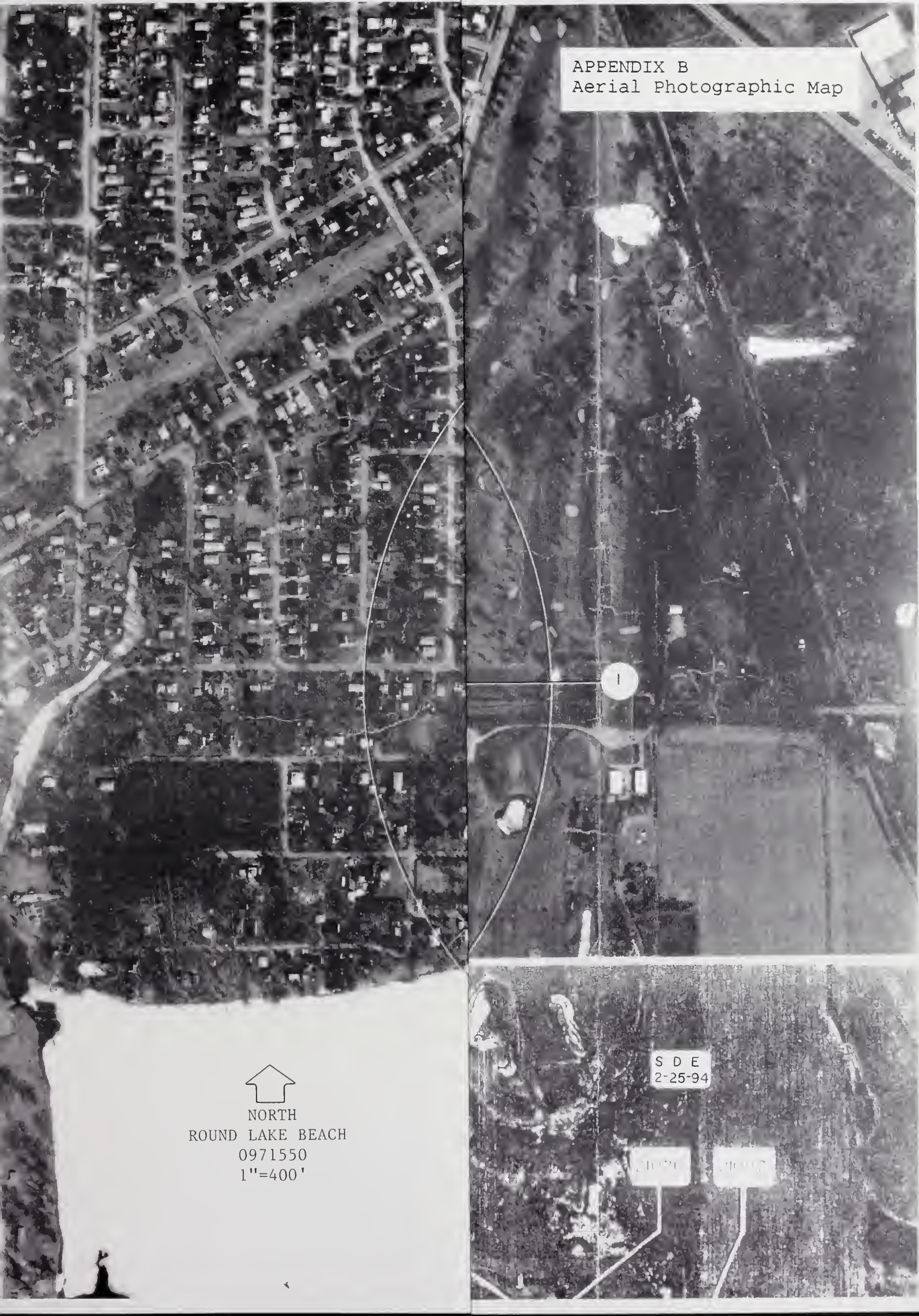
APPENDIX A1 - Topographic Map of Round Lake Beach (0971550) Well Site Locations

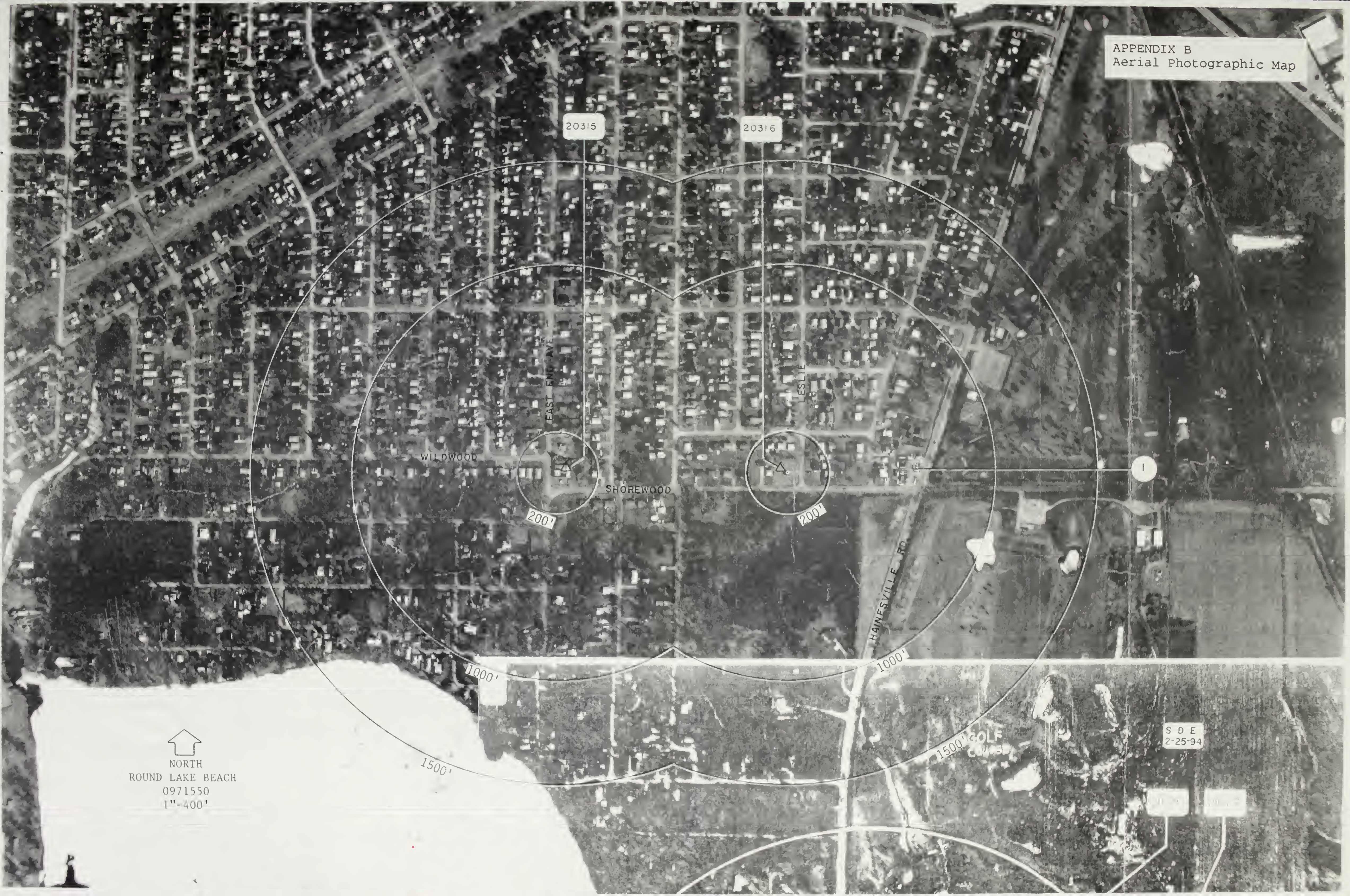


APPENDIX A2 - Topographic Map of Round Lake Beach (0971550) Well Site Locations



APPENDIX B
Aerial Photographic Map





APPENDIX B
Aerial Photographic Map

APPENDIX B1 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE
Round Lake Beach Well No. 3 (IEPA #20315)

SURVEYOR: Moyer
SURVEY DATE: 6-29-93
ADDRESS: Round Lake Beach
1212 N. Cedar Lake Rd.
Round Lake Beach, IL 60073

AGENCY WELL NO: 20315
WELL NAME & DESC: Well #3
TREATMENT APPLICATION POINT: 02
FACILITY NO. & NAME: 0971550 - Round Lake Beach
FACILITY PHONE CONTACT: 708/546-8752

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 45N, 10E, 16, 5A
DISTANCE FROM CORNER: 205N, 2550E
QUAD SHEET CODE & NAME: 008D - Grayslake
MIN. SETBACK: 200 feet
MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: B1-Sand and gravel at the surface, less than 20 feet thick, underlain by till or impermeable bedrock.
AGE OF WELL: 1947
WELL DEPTH: 342 feet
CASING DEPTH: 288
AQUIFER CODE: 5050 - Shallow Bedrock
MULTPLE AQUIFER (Y,N): no
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of moderate density residential housing and partly of open spaces.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

APPENDIX B1 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 3 (IEPA #20315)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20315-01
NAME & ADDRESS OF UNIT OWNER: Diamond Garage Doors, 1725C Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Garage Door Sales
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 4900 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20315-02
NAME & ADDRESS OF UNIT OWNER: MHS Automation, 1655 Wood St.,Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: General machining job shop and materials handling equipment
PRE OR POST (Y/N): Yes
DISTANCE AND DIRECTION: 4850 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20315-03
NAME & ADDRESS OF UNIT OWNER: Lake County Molding, 1631D Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Custom plastic injection molding
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 4950 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20315-04
NAME & ADDRESS OF UNIT OWNER: Sonico Products, 1631A Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Vibratory feeders, automation equipment
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 4875 feet southeast of the well

APPENDIX B1 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 3 (IEPA #20315)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20315-05
NAME & ADDRESS OF UNIT OWNER: Family Pride Dry Cleaners, Rollins Rd., Round Lake Beach,IL 60073
DESCRIPTION AND COMMENTS: Dry cleaners
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 4225 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20315-06
NAME & ADDRESS OF UNIT OWNER: Ace Hardware, Rollins Rd., Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Hardware store
PRE OR POST (Y/N): Yes
DISTANCE AND DIRECTION: 4025 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20315-07
NAME & ADDRESS OF UNIT OWNER: Avon Center School, Rt. 83, Round Lake Beach, Il. 60073
DESCRIPTION AND COMMENTS: School
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 4225 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20315-08
NAME & ADDRESS OF UNIT OWNER: Shorewood Service-Union 76, 1306 Hainesville R., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Service station, 4 registered underground storage tanks on site OSFM #2-026112
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 1650 feet east of the well

APPENDIX B2 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE
Round Lake Beach Well No. 4 (IEPA #20316)

SURVEYOR: Moyer
SURVEY DATE: 6-29-93
ADDRESS: Round Lake Beach
1212 N. Cedar Lake Rd.
Round Lake Beach, IL 60073

AGENCY WELL NO: 20316
WELL NAME & DESC: Well #4
TREATMENT APPLICATION POINT: 03
FACILITY NO. & NAME: 0971550 - Round Lake Beach
FACILITY PHONE CONTACT: 708/546-8752

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 45N, 10E, 16, 3A
DISTANCE FROM CORNER: 75N, 1590W
QUAD SHEET CODE & NAME: 008D - Grayslake
MIN. SETBACK: 200 feet
MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: B1-Sand and gravel at the surface, less than 20 feet thick, underlain by till or impermeable bedrock.
AGE OF WELL: 1952
WELL DEPTH: 314 feet
CASING DEPTH: 238
AQUIFER CODE: 5050 - Shallow Bedrock
MULTPLE AQUIFER (Y,N): no
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of moderate density residential housing and partly a golf course.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

APPENDIX B2 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 4 (IEPA #20316)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20316-01
NAME & ADDRESS OF UNIT OWNER: Diamond Garage Doors, 1725C Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Garage Door Sales
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 4100 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20316-02
NAME & ADDRESS OF UNIT OWNER: MHS Automation, 1655 Wood St.,Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: General machining job shop and materials handling equipment
PRE OR POST (Y/N): Yes
DISTANCE AND DIRECTION: 4000 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20316-03
NAME & ADDRESS OF UNIT OWNER: Lake County Molding, 1631D Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Custom plastic injection molding
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 4125 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20316-04
NAME & ADDRESS OF UNIT OWNER: Sonico Products, 1631A Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Vibratory feeders, automation equipment
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 4025 feet northeast of the well

APPENDIX B2 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 4 (IEPA #20316)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20316-05
NAME & ADDRESS OF UNIT OWNER: Family Pride Dry Cleaners, Rollins Rd., Round Lake Beach,IL 60073
DESCRIPTION AND COMMENTS: Dry cleaners
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 3425 feet northeast of the well

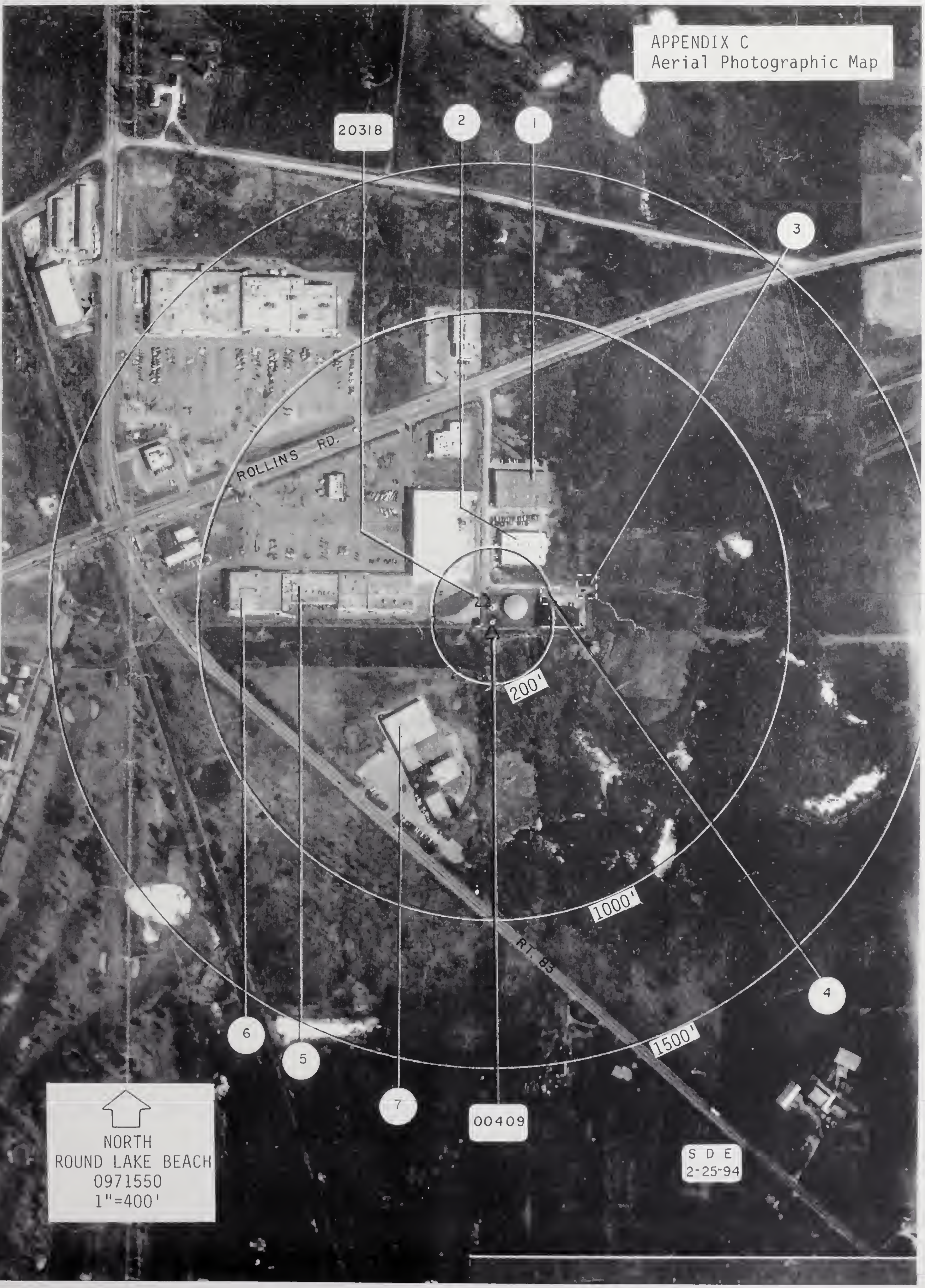
WELL NO. - MAP CODE - CLASSF*: 20316-06
NAME & ADDRESS OF UNIT OWNER: Ace Hardware, Rollins Rd., Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Hardware store
PRE OR POST (Y/N): Yes
DISTANCE AND DIRECTION: 3225 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20316-07
NAME & ADDRESS OF UNIT OWNER: Avon Center School, Rt. 83, Round Lake Beach, Il. 60073
DESCRIPTION AND COMMENTS: School
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 3300 feet northeast of the well

WELL NO. - MAP CODE - CLASSF*: 20316-08
NAME & ADDRESS OF UNIT OWNER: Shorewood Service-Union 76, 1306 Hainesville R., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Service station, 4 registered underground storage tanks on site OSFM #2-026112
stE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 550 feet east of the well

APPENDIX C

APPENDIX C
Aerial Photographic Map



APPENDIX C1 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE
Round Lake Beach Well No. 6 (IEPA #20318)

SURVEYOR: Moyer
SURVEY DATE: 6-29-93
ADDRESS: Round Lake Beach
1212 N. Cedar Lake Rd.
Round Lake Beach, IL 60073

AGENCY WELL NO: 21018
WELL NAME & DESC: Well #6
TREATMENT APPLICATION POINT: 05
FACILITY NO. & NAME: 0971550 - Round Lake Beach
FACILITY PHONE CONTACT: 708/546-8752

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 45N, 10E, 15, 7E
DISTANCE FROM CORNER: 2600S, 1300E
QUAD SHEET CODE & NAME: 008A - Antioch
MIN. SETBACK: 200 feet
MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: E- Uniform, relatively impermeable silty or clayey till or other fine-grained materials more than 50 feet thick; no sand and gravel identified.
AGE OF WELL: 1972
WELL DEPTH: 1287 feet
CASING DEPTH: NA
AQUIFER CODE: 6080 - Deep Bedrock
MULTPLE AQUIFER (Y,N): yes
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of commerical and partly a shopping center.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

APPENDIX C1 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 6 (IEPA #20318)

*CLASSF KEY

MIN. ZONE
PP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY
RI = ROUTE
CC = CERTIFIED
XI = UNKNOWN
CU = CLEANUP

OUTSIDE MIN. ZONE
OP = POTENTIAL PRIMARY
OS = POTENTIAL SECONDARY
OR = ROUTE
CC = CERTIFIED
OX = UNKNOWN
CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20318-01
NAME & ADDRESS OF UNIT OWNER: Diamond Garage Doors, 1725C Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Garage Door Sales
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 300 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 20318-02
NAME & ADDRESS OF UNIT OWNER: MHS Automation, 1655 Wood St.,Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: General machining job shop and materials handling equipment
PRE OR POST (Y/N): Yes
DISTANCE AND DIRECTION: 150 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 20318-03
NAME & ADDRESS OF UNIT OWNER: Lake County Molding, 1631D Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Custom plastic injection molding
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 300 feet east of the well

WELL NO. - MAP CODE - CLASSF*: 20318-04
NAME & ADDRESS OF UNIT OWNER: Sonico Products, 1631A Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Vibratory feeders, automation equipment
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 150 feet east of the well

APPENDIX C1 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 6 (IEPA #20318)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20318-05
NAME & ADDRESS OF UNIT OWNER: Family Pride Dry Cleaners, Rollins Rd., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Dry cleaners
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 600 feet west of the well

WELL NO. - MAP CODE - CLASSF*: 20318-06
NAME & ADDRESS OF UNIT OWNER: Ace Hardware, Rollins Rd., Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Hardware store
PRE OR POST (Y/N): Yes
DISTANCE AND DIRECTION: 725 feet west of the well

WELL NO. - MAP CODE - CLASSF*: 20318-07
NAME & ADDRESS OF UNIT OWNER: Avon Center School, Rt. 83, Round Lake Beach, Il. 60073
DESCRIPTION AND COMMENTS: School
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 400 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 20318-08
NAME & ADDRESS OF UNIT OWNER: Shorewood Service-Union 76, 1306 Hainesville R., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Service station, 4 registered underground storage tanks on site OSFM #2-026112
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 3350 feet southwest of the well

APPENDIX C2 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE
Round Lake Beach Well No. 9 (IEPA #00409)

SURVEYOR: Moyer
SURVEY DATE: 6-29-93
ADDRESS: Round Lake Beach
1212 N. Cedar Lake Rd.
Round Lake Beach, IL 60073

AGENCY WELL NO: 00409
WELL NAME & DESC: Well #9
TREATMENT APPLICATION POINT: 08
FACILITY NO. & NAME: 0971550 - Round Lake Beach
FACILITY PHONE CONTACT: 708/546-8752

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 45N, 10E, 15, 3G
DISTANCE FROM CORNER: NA
QUAD SHEET CODE & NAME: NA
MIN. SETBACK: 200 feet
MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: E- Uniform, relatively impermeable silty or clayey till or other fine-grained materials more than 50 feet thick; no sand and gravel identified.
AGE OF WELL: 1990
WELL DEPTH: 161 feet
CASING DEPTH: NA
AQUIFER CODE: 0101 - Sand & Gravel
MULTPLE AQUIFER (Y,N): no
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of commercial and partly a shopping center.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

APPENDIX C2 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 9 (IEPA #00409)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 00409-01
NAME & ADDRESS OF UNIT OWNER: Diamond Garage Doors, 1725C Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Garage Door Sales
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 325 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 00409-02
NAME & ADDRESS OF UNIT OWNER: MHS Automation, 1655 Wood St.,Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: General machining job shop and materials handling equipment
PRE OR POST (Y/N): Yes
DISTANCE AND DIRECTION: 175 feet north of the well

WELL NO. - MAP CODE - CLASSF*: 00409-03
NAME & ADDRESS OF UNIT OWNER: Lake County Molding, 1631D Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Custom plastic injection molding
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 325 feet east of the well

WELL NO. - MAP CODE - CLASSF*: 00409-04
NAME & ADDRESS OF UNIT OWNER: Sonico Products, 1631A Wood St., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Vibratory feeders, automation equipment
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 200 feet east of the well

APPENDIX C2 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 9 (IEPA #00409)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

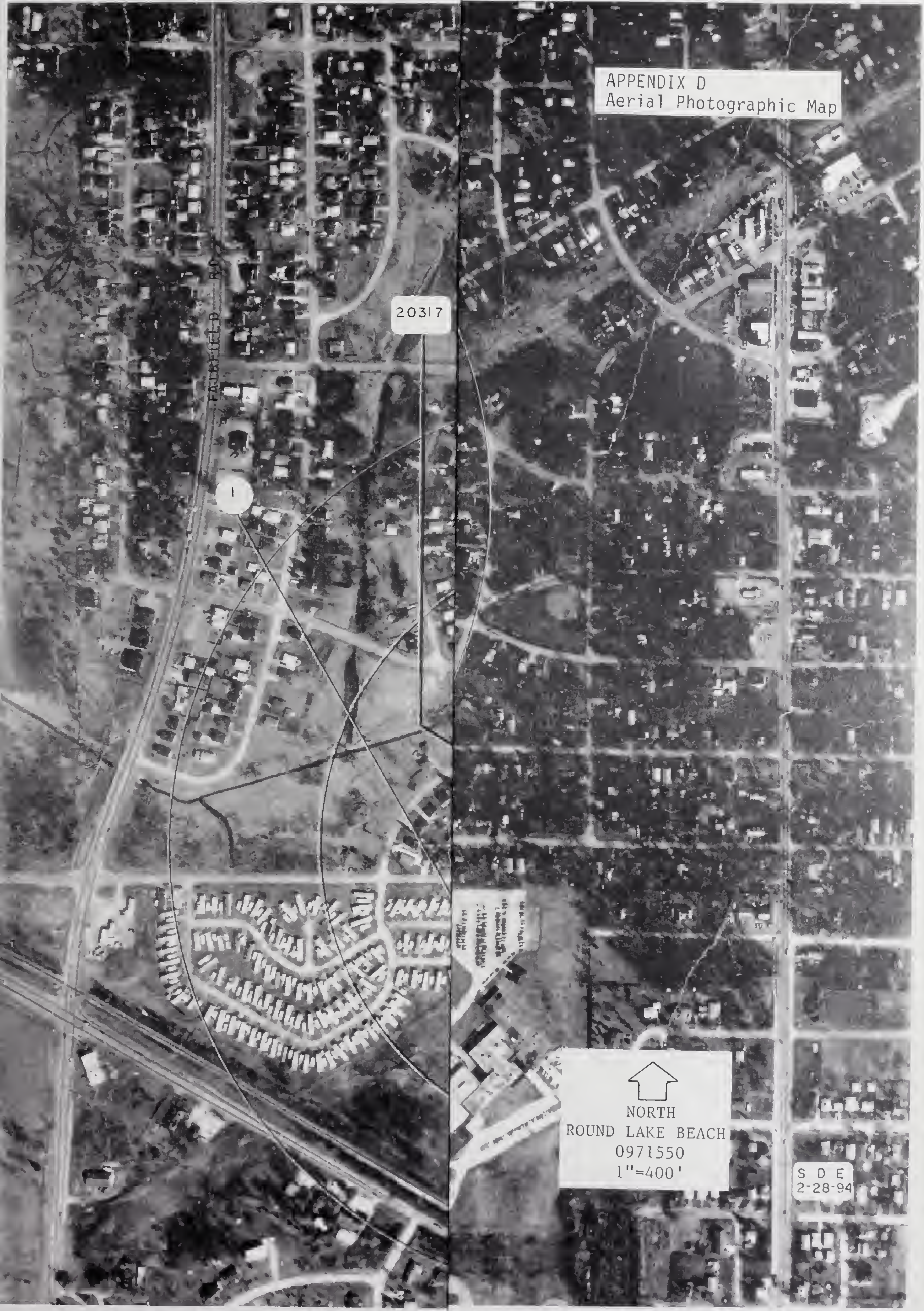
WELL NO. - MAP CODE - CLASSF*: 00409-05
NAME & ADDRESS OF UNIT OWNER: Family Pride Dry Cleaners, Rollins Rd., Round Lake Beach,IL 60073
DESCRIPTION AND COMMENTS: Dry cleaners
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 600 feet west of the well

WELL NO. - MAP CODE - CLASSF*: 00409-06
NAME & ADDRESS OF UNIT OWNER: Ace Hardware, Rollins Rd., Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Hardware store
PRE OR POST (Y/N): Yes
DISTANCE AND DIRECTION: 725 feet west of the well

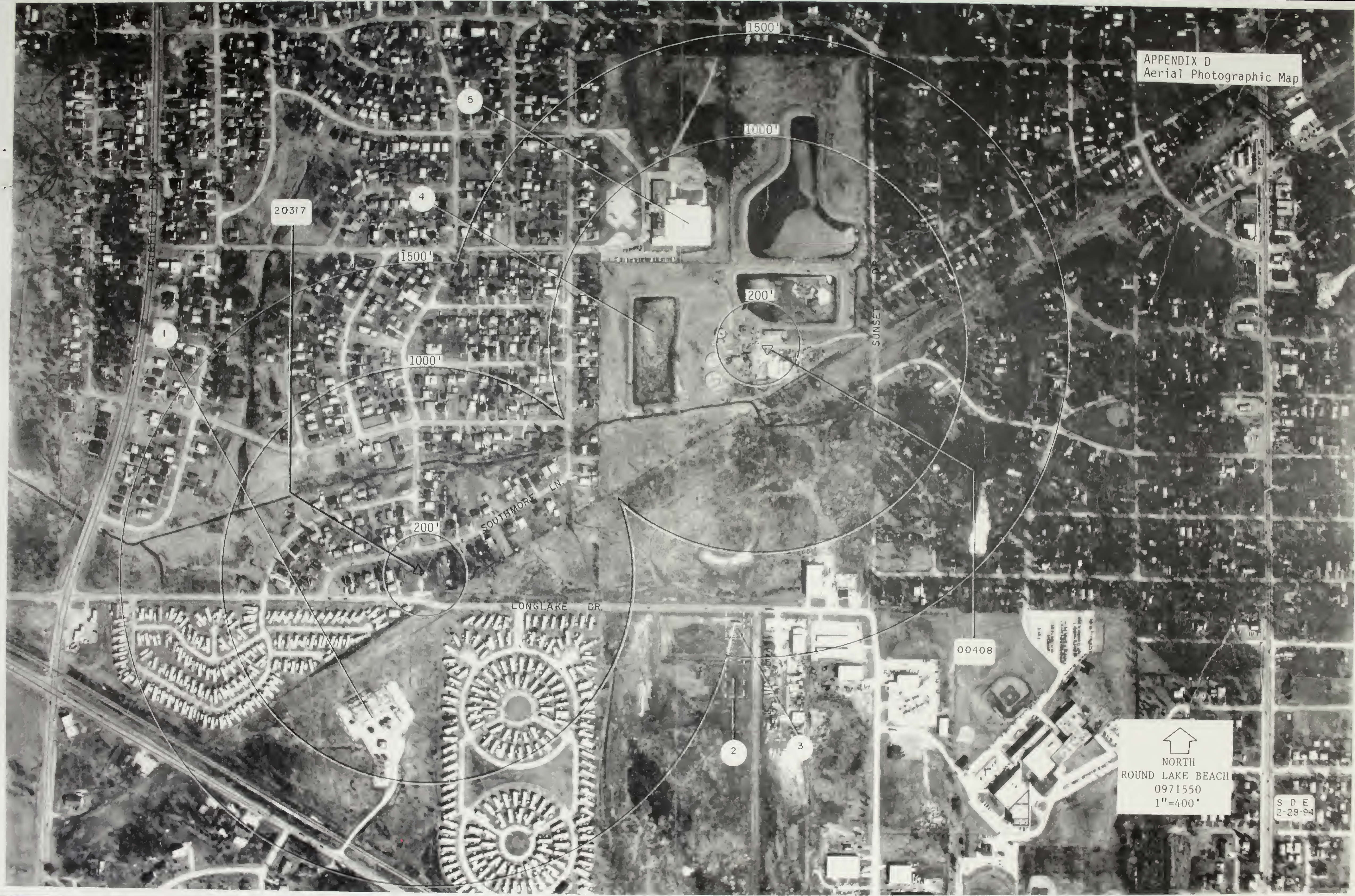
WELL NO. - MAP CODE - CLASSF*: 00409-07
NAME & ADDRESS OF UNIT OWNER: Avon Center School, Rt. 83, Round Lake Beach, Il. 60073
DESCRIPTION AND COMMENTS: School
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 350 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 00409-08
NAME & ADDRESS OF UNIT OWNER: Shorewood Service-Union 76, 1306 Hainesville R., Round Lake Beach, IL 60073
DESCRIPTION AND COMMENTS: Service station, 4 registered underground storage tanks on site OSFM #2-026112
stE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 3300 feet southwest of the well

APPENDIX D



APPENDIX D
Aerial Photographic Map



APPENDIX D
Aerial Photographic Map

Appendix D1 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE
Round Lake Beach Well No. 5 (IEPA #20317)

SURVEYOR: Moyer
SURVEY DATE: 6-29-93
ADDRESS: Round Lake Beach
1212 N. Cedar Lake Rd.
Round Lake Beach, IL 60073

AGENCY WELL NO: 20317
WELL NAME & DESC: Well #5
TREATMENT APPLICATION POINT: 04
FACILITY NO. & NAME: 0971550 - Round Lake Beach
FACILITY PHONE CONTACT: 708/546-8752

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 45N, 10E, 19, 2E
DISTANCE FROM CORNER: 2500S,750W
QUAD SHEET CODE & NAME: 008D-Grayslake
MIN. SETBACK: 200 feet
MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: E- Uniform, relatively impermeable silty or clayey till or other fine-grained materials more than 50 feet thick; no sand and gravel identified.
AGE OF WELL: 1956
WELL DEPTH: 300 feet
CASING DEPTH: 212
AQUIFER CODE: 5050 - Shallow Bedrock
MULTPLE AQUIFER (Y,N): no
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of commercial, and partly moderate density residential housing.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

APPENDIX D1 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 5 (IEPA #20317)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20317-01
NAME & ADDRESS OF UNIT OWNER: Commonwealth Edison Substation, Rt. 134, Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Substation
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 600 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 20317-02
NAME & ADDRESS OF UNIT OWNER: Trend Plastics, 810 Magna Dr., Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Plastic injection molding and tooling
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 1450 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20317-03
NAME & ADDRESS OF UNIT OWNER: Jade Construction Co., 701 Longlake Rd., Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Concrete company
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 1450 feet southeast of the well

WELL NO. - MAP CODE - CLASSF*: 20317-04
NAME & ADDRESS OF UNIT OWNER: Village of Round Lake Beach-Sewage Lagoons, Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Lagoons
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 1300 feet northeast of the well

APPENDIX D1 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 5 (IEPA #20317)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 20317-05
NAME & ADDRESS OF UNIT OWNER: Raymond Ellis School, 720 Central Park, Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: School
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 1950 feet northeast of the well

Appendix D2 - WELL SITE SUMMARY DESCRIPTION AND GEOLOGIC PROFILE
Round Lake Beach Well No. 8 (IEPA #00408)

SURVEYOR: Moyer
SURVEY DATE: 6-29-93
ADDRESS: Round Lake Beach
1212 N. Cedar Lake Rd.
Round Lake Beach, IL 60073

AGENCY WELL NO: 00408
WELL NAME & DESC: Well #8
TREATMENT APPLICATION POINT: 07
FACILITY NO. & NAME: 0971550 - Round Lake Beach
FACILITY PHONE CONTACT: 708/546-8752

LOCATION: TWP, RNG, SECTION, 10 ACRE PLOT: 45N, 10E, 24, 4E
DISTANCE FROM CORNER: NA
QUAD SHEET CODE & NAME: 008D-Grayslake
MIN. SETBACK: 200 feet
MAX. SETBACK:

SURFICIAL GEOLOGIC SUSCEPTIBILITY RATING: NA
AGE OF WELL: 1987
WELL DEPTH: 250 feet
CASING DEPTH: 212
AQUIFER CODE: 5656 - Shallow Bedrock
MULTPLE AQUIFER (Y,N): no
SUMMARY DESCRIPTION OF 1,000' RADIUS AREA: The survey area is urban consisting partly of commercial, and partly moderate density residential housing.

INTERVIEW(S) NAME-ADDRESS-AFFILIATION-TELEPHONE NO:

APPENDIX D2 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 8 (IEPA #00408)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 00408-01
NAME & ADDRESS OF UNIT OWNER: Commonwealth Edison Substation, Rt. 134, Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Substation
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 2450 feet southwest of the well

WELL NO. - MAP CODE - CLASSF*: 00408-02
NAME & ADDRESS OF UNIT OWNER: Trend Plastics, 810 Magna Dr., Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Plastic injection molding and tooling
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 1550 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 00408-03
NAME & ADDRESS OF UNIT OWNER: Jade Construction Co., 701 Longlake Rd., Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Concrete company
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 1300 feet south of the well

WELL NO. - MAP CODE - CLASSF*: 00408-04
NAME & ADDRESS OF UNIT OWNER: Village of Round Lake Beach-Sewage Lagoons, Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: Lagoons
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 400 feet west of the well

APPENDIX D2 - INVENTORY & SYNOPSIS OF UNIT(S) Round Lake Beach Well No. 8 (IEPA #00408)

*CLASSF KEY

MIN. ZONE	OUTSIDE MIN. ZONE
PP = POTENTIAL PRIMARY	OP = POTENTIAL PRIMARY
PS = POTENTIAL SECONDARY	OS = POTENTIAL SECONDARY
RI = ROUTE	OR = ROUTE
CC = CERTIFIED	CC = CERTIFIED
XI = UNKNOWN	OX = UNKNOWN
CU = CLEANUP	CU = CLEANUP

WELL NO. - MAP CODE - CLASSF*: 00408-05
NAME & ADDRESS OF UNIT OWNER: Raymond Ellis School, 720 Central Park, Round Lake Beach, Il 60073
DESCRIPTION AND COMMENTS: School
PRE OR POST (Y,N): Yes
DISTANCE AND DIRECTION: 500 feet northwest of the well

APPENDIX E

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      FACILITY:  U971550   ROUND LAKE BEACH

      ------------------------ OWNER ------------------------     ------------------- OFFICIAL CUSTODIAN ------------------

      RALPH DAVIS                                                 RICHARD A KINZEL

      MAYOR - VILLAGE HALL                                        DIRECTOR - VILLAGE HALL

      224 W CLARENDON DR                                          224 W CLARENDON DR

      ROUND LAKE BEACH     IL  60073                              ROUND LAKE BEACH     IL  60073

      WELL: 00403  WELL 3 1100 S SUNSET AVE                  STATUS: ACTIVE    BACKUP      DRILLED DEPTH(FT):  250
          LATITUDE: N42 22 09.3            LONGITUDE: W088 01 09.8              TWP: 45N  RNG: 10E  SEC: 24  PLOT: 4E

          SUSCEPTIBILITY - LAND BURIAL:      SUSCEPTIBILITY - LAND SPREADING:      --- MINIMUM SETBACK(FT): 0200 ---
  ALTITUDE (FT):        0.00      ALTITUDE METHOD CODE:   - UNKNOWN
  INTERVAL 1 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
  INTERVAL 2 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
  INTERVAL 3 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
          AQUIFERS: SILURIAN DOLOMITE

      WELL: 00409  WELL 9 ROLLINS RD ROUTE 83                STATUS: ACTIVE    BACKUP      DRILLED DEPTH(FT):
          LATITUDE: N42 23 00.0            LONGITUDE: W088 03 00.0              TWP: 45N  RNG: 10E  SEC: 15  PLOT: 3G

          SUSCEPTIBILITY - LAND BURIAL:      SUSCEPTIBILITY - LAND SPREADING:      --- MINIMUM SETBACK(FT): 0200 ---
  ALTITUDE (FT):        0.00      ALTITUDE METHOD CODE:   - UNKNOWN
  INTERVAL 1 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
  INTERVAL 2 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
  INTERVAL 3 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
          AQUIFERS: SILURIAN DOLOMITE

      WELL: 20314  WELL  1 TOMAHAWK DR OPP WARRIOR DRIVE     STATUS: ABANDONED             DRILLED DEPTH(FT):  215
          LATITUDE: N42 23 00.0            LONGITUDE: W088 06 04.0              TWP: 45N  RNG: 10E  SEC: 18  PLOT: 2F

          SUSCEPTIBILITY - LAND BURIAL: B1   SUSCEPTIBILITY - LAND SPREADING:      --- MINIMUM SETBACK(FT): NONE ---
  ALTITUDE (FT):        0.00      ALTITUDE METHOD CODE:   - UNKNOWN
  INTERVAL 1 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
  INTERVAL 2 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
  INTERVAL 2 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
          AQUIFERS: QUATERNARY SYSTEM                            PLEISTOCENE SERIES

      WELL: 20315  WELL  3 EAST END DR OPP WILDWOOD DRIVE    STATUS: ACTIVE    BACKUP      DRILLED DEPTH(FT):  342
          LATITUDE: N42 22 20.0            LONGITUDE: W088 04 18.0              TWP: 45N  RNG: 10E  SEC: 16  PLOT: 5A

          SUSCEPTIBILITY - LAND BURIAL: B1   SUSCEPTIBILITY - LAND SPREADING:      --- MINIMUM SETBACK(FT): 0200 ---
  ALTITUDE (FT):        0.00      ALTITUDE METHOD CODE:   - UNKNOWN
  INTERVAL 1 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
  INTERVAL 2 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
  INTERVAL 3 - TYPE: 0 - N/A               SCREEN MATL: 0 - NOT APPLICABLE   DEPTH TO TOP (FT):       0.00   DEPTH TO BOT (FT):      0.00
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                              ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REPORT:  PWSWP153                  DIVISION OF PUBLIC WATER SUPPLIES                              PAGE:        42
MODULE:  PWSWM027                      FACILITY WELLS REPORT                                      DATE:  01/27/94

    FACILITY:  0971550   ROUND LAKE BEACH                                                             (CONTINUED)

    WELL: 20315  WELL  3 EAST END DR OPP WILDWOOD DRIVE                                            (CONTINUED)

          AQUIFERS: DEVONIAN                                   SILURIAN DOLOMITE

    WELL: 20316  WELL  4 NE                                    STATUS: ACTIVE    BACKUP      DRILLED DEPTH(FT):  314
          LATITUDE: N42 22 20.0            LONGITUDE: W088 04 09.0                 TWP: 45N  RNG: 10E  SEC: 16  PLOT: 3A

          SUSCEPTIBILITY - LAND BURIAL: B1   SUSCEPTIBILITY - LAND SPREADING: D2   --- MINIMUM SETBACK(FT): 0200 ---
ALTITUDE (FT):       0.00       ALTITUDE METHOD CODE:    - UNKNOWN
INTERVAL 1 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
INTERVAL 2 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
INTERVAL 2 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
          AQUIFERS: DEVONIAN                                   SILURIAN DOLOMITE

    WELL: 20317  WELL  5 SE COR LONGLAKE DR & SOUTHMOOR L      STATUS: ACTIVE    BACKUP      DRILLED DEPTH(FT):  300
          LATITUDE: N42 21 55.0            LONGITUDE: W088 06 22.0                 TWP: 45N  RNG: 10E  SEC: 19  PLOT: 2E

          SUSCEPTIBILITY - LAND BURIAL: E    SUSCEPTIBILITY - LAND SPREADING: D2   --- MINIMUM SETBACK(FT): 0200 ---
ALTITUDE (FT):       0.00       ALTITUDE METHOD CODE:    - UNKNOWN
INTERVAL 1 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
INTERVAL 2 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
INTERVAL   - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
          AQUIFERS: DEVONIAN                                   SILURIAN DOLOMITE

    WELL: 20318  WELL  6 ROLLINS ROAD AT ROUTE 83              STATUS: ACTIVE    BACKUP      DRILLED DEPTH(FT): 1237
          LATITUDE: N42 22 49.0            LONGITUDE: W088 03 35.0                 TWP: 45N  RNG: 10E  SEC: 15  PLOT: 7E

          SUSCEPTIBILITY - LAND BURIAL: E    SUSCEPTIBILITY - LAND SPREADING: D2   --- MINIMUM SETBACK(FT): 0200 ---
ALTITUDE (FT):       0.00       ALTITUDE METHOD CODE:    - UNKNOWN
INTERVAL 1 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
INTERVAL   - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
INTERVAL 2 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
          AQUIFERS: CINCINNATION SERIES                        CHAMPLAINIAN SERIES
                    CAMBRIAN SYSTEM                            EAU CLAIRE FORMATION
                     EMINENCE-POTOSI                           FRANCONIA
                    IRONTON-GALESVILLE

    WELL: 20319  WELL  7 NW COR CEDAR LAKE & OAKWOOD DR        STATUS: ACTIVE    BACKUP      DRILLED DEPTH(FT): 2000
          LATITUDE: N42 22 18.0            LONGITUDE: W088 05 32.0                 TWP: 45N  RNG: 10E  SEC: 20  PLOT: 4H

          SUSCEPTIBILITY - LAND BURIAL: E    SUSCEPTIBILITY - LAND SPREADING: D2   --- MINIMUM SETBACK(FT): 0200 ---
ALTITUDE (FT):       0.00       ALTITUDE METHOD CODE:    - UNKNOWN
INTERVAL 1 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
INTERVAL 2 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
INTERVAL 2 - TYPE: 0 - N/A             SCREEN MATL: 0 - NOT APPLICABLE    DEPTH TO TOP (FT):      0.00   DEPTH TO BOT (FT):       0.00
          AQUIFERS: CINCINNATION SERIES                        CHAMPLAINIAN SERIES
                    ORDOVICIAN-CAMBRIAN SYSTEM                 CAMBRIAN SYSTEM
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FACILITY:  0371550   ROUND LAKE BEACH                                                          (CONTINUED)

SUSCEPTIBILITY CODES
      LAND BURIAL: B1 = SAND AND GRAVEL LESS THAN 20 FT THICK OVER RELATIVELY IMPERMEABLE TILL OR BEDROCK.
                   E  = UNIFORM, RELATIVELY IMPERMEABLE SILTY OR CLAYEY TILL AT LEAST 50 FT THICK; NO EVIDENCE OF
                        INTERBEDDED SAND AND GRAVEL.

    LAND SPREADING: D2 = UNIFORM, RELATIVELY IMPERMEABLE SILTY OR CLAYEY TILL AT LEAST 20 FT THICK; NO EVIDENCE OF
                        INTERBEDDED SAND AND GRAVEL.
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APPENDIX F

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                                                       *** CONTINUED ***
FACILITY:  0971550 ROUND LAKE BEACH

      0000001  035  90410                                                      268.000

      SAMPLE NO: 3011153        LOCATION: WELL #7                             COLL DATE: 09/13/83    DELIVERED BY:
      SMPL TYPE: RAW            COLLECTOR: K SWANSON                           LAB RCVD: 10/19/83     RECEIVED BY:
      SMPL PURP: 1-ROUTINE       COMMENTS:                                     LAB COMPL:          LAB SUPERVISOR:
      SMPL PROG: I-GW4 INORG OBSRVATNS:                                    SMPL PERIOD: 09/83          FUND CODE:

                                                                                  -------STANDARDS-------     TRIGGER
   ANALYSIS   RSLT -------STORET-------                                                                     
      ID       NO     NO     DESCRIPTION                          UNITS     RESULT     DRINK WTR     RAW WTR      LEVEL

                    00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                  600.000
                    00403  PH LABORATORY UNITS                                     7.800
                    00410  ALKALINITY,TOTAL MG/L AS CACO3                        250.000
                    00610  NITROGEN,AMMONIA TOTAL MG/L AS N                        0.300
                    00630  NITRATE & NITRITE TOTAL MG/L AS N                       0.100 <     10.000
                    00720  CYANIDE,TOTAL MG/L AS CN                                0.005 <      0.200
                    00900  HARDNESS,EDTA MG/L AS CACO3                           248.000
                    00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP       63.000
                    00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP     24.400
                    00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP        25.000
                    00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP      11.000
                    00941  CHLORIDE,TOTAL MG/L AS CL                              15.000
                    00945  SULFATE,TOTAL MG/L AS SO4                              45.000
                    00951  FLUORIDE,TOTAL MG/L AS F                                0.650        4.000
                    00956  SILICA,TOTAL MG/L AS SIO2                              13.000
                    01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                    1.000 <     50.000
                    01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP        90.000     1000.000
                    01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP      0.500 <
                    01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP         150.000
                    01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICP        3.000 <     10.000
                    01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICP        5.000 <     50.000
                    01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP         5.000 <
                    01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP         3.000 <   5000.000
                    01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP         330.000     1000.000
                    01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                       5.000 <     50.000
                    01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP      5.000 <    150.000
                    01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP         5.000
                    01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP         5.000 <     50.000
                    01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP   1840.000
                    01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP         4.000 <
                    01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP         20.000     5000.000
                    01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                    3.000       10.000
                    70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L                  361.000
                    70304  TOTAL DISSOLVED SOLIDS MG/L BY EC                     360.000
                    71900  MERCURY,TOTAL UG/L AS HG                                0.100 <      2.000

      SAMPLE NO: 2004763        LOCATION: WELL                                COLL DATE: 12/16/86    DELIVERED BY:
      SMPL TYPE: RAW            COLLECTOR: IEPA SMPL COLLECTOR                 LAB RCVD: 00/00/00     RECEIVED BY:
      SMPL PURP: S-SPEC/OTHR   COMMENTS:                                      LAB COMPL: 00/00/00 LAB SUPERVISOR:
      SMPL PROG: V-VOC          OBSRVATNS:                                 SMPL PERIOD: 12/86          FUND CODE:
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FACILITY:  0971550 ROUND LAKE BEACH                                *** CONTINUED ***

                                                                                           -------STANDARDS-------     TRIGGER
   ANALYSIS  RSLT -------STORET-------
      ID      NO    NO     DESCRIPTION                                      UNITS    RESULT     DRINK WTR    RAW WTR     LEVEL

    0000001   001  32101  BROMODICHLOROMETHANE UG/L CG/MS                             1.000 <
    0000001   002  32102  CARBON TETRACHLORIDE UG/L CG/MS                             1.000 <      5.000
    0000001   003  32103  1,2-DICHLOROETHANE UG/L                                     1.000 <      5.000
    0000001   004  32104  BROMOFORM UG/L CG/MS                                        1.000 <
    0000001   005  32105  DIBROMOCHLOROMETHANE UG/L GC/MS                             1.000 <
    0000001   006  32106  CHLOROFORM UG/L GC/MS                                       1.000 <
    0000001   007  34010  TOLUENE UG/L                                                1.000 <   1000.000
    0000001   008  34030  BENZENE UG/L                                                1.000 <      5.000
    0000001   009  34301  CHLOROBENZENE UG/L                                          1.000 <    100.000
    0000001   010  34371  ETHYLBENZENE UG/L                                           1.000 <    700.000
    0000001   011  34423  METHYLENE CHLORIDE UG/L                                     1.000 <      5.000
    0000001   012  34475  TETRACHLOROETHYLENE UG/L GC/MS                              1.000 <      5.000
    0000001   013  34496  1,1-DICHLOROETHANE UG/L GC/MS                               1.000 <
    0000001   014  34501  1,1-DICHLOROETHYLENE UG/L GC/MS                             1.000 <      7.000
    0000001   015  34506  1,1,1-TRICHLOROETHANE UG/L GC/MS                            1.000 <    200.000
    0000001   016  34546  TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS                       1.000 <    100.000
    0000001   017  39180  TRICHLOROETHYLENE UG/L                                      1.000 <      5.000
    0000001   018  00059  FLOW (PUMPING) RATE GAL/MIN                               980.000
    0000001   019  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                  25.000
    0000001   020  70410                                                            268.000

 FACILITY:  0971550 ROUND LAKE BEACH                      STATUS: A    PUBLIC: Y    COMM: Y    TYPE WATER:
      TAP:        07 WELL 8 1100 SOUTH SUNSET             STATUS: A
 RAW SRCE:     00408 WELL 8 1100 S SUNSET AVE             STATUS: A

    SAMPLE NO: B11391900    LOCATION: ROUND LAKE BEACH                       COLL DATE: 10/03/91    DELIVERED BY: MAIL
    SMPL TYPE: RAW          COLLECTOR: KENNETH SWANSE                         LAB RCVD: 10/04/91     RECEIVED BY: PMD
    SMPL PURP: 1-ROUTINE     COMMENTS:                                       LAB COMPL: 11/25/91  LAB SUPERVISOR: RPF
    SMPL PROG: C-CHEMICAL   OBSRVATNS:                                     SMPL PERIOD: 10/91         FUND CODE: PW30

                                                                                           -------STANDARDS-------     TRIGGER
   ANALYSIS  RSLT -------STORET-------
      ID      NO    NO     DESCRIPTION                                      UNITS    RESULT     DRINK WTR    RAW WTR     LEVEL

    100T000   001  00403  PH LABORATORY UNITS                                UNITS      8.000
    101T000   001  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C               UM/CM    390.000
    102T000   001  70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L               MG/L     355.000
    103T000   001  00410  ALKALINITY,TOTAL MG/L AS CACO3                     MG/L     216.000
    105T000   001  00900  HARDNESS,EDTA MG/L AS CACO3                        MG/L     207.000
    107T000   001  00951  FLUORIDE,TOTAL MG/L AS F                           MG/L       0.950        4.000
    108T000   001  00940  CHLORIDE,TOTAL MG/L AS CL                          MG/L       4.200
    109T000   001  00945  SULFATE,TOTAL MG/L AS SO4                          MG/L     107.000
    110T000   001  00630  NITRATE & NITRITE TOTAL MG/L AS N                  MG/L       0.010 <     10.000
    111T000   001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                   MG/L       0.330
    114T000   001  00956  SILICA,TOTAL MG/L AS SIO2                          MG/L      20.800
    115T000   001  00720  CYANIDE,TOTAL MG/L AS CN                           MG/L       0.005 <      0.200
    144T000   001  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS               UG/L       1.000 <     50.000
    151T100   001  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                  UG/L       5.000 <     50.000
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FACILITY:  0971550 ROUND LAKE BEACH                                    *** CONTINUED ***

      103T000  001  71900  MERCURY,TOTAL UG/L AS HG                                UG/L      0.050 <      2.000
      103T000  001  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                    UG/L      1.000 <     10.000
      177T100  001  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP        MG/L     30.000
      177T100  002  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP      MG/L     26.000
      177T100  003  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP         MG/L     48.000
      177T100  004  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP       MG/L      0.660
      177T100  005  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP        UG/L     50.000 <
      177T100  006  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP         UG/L     12.000     1000.000
      177T100  007  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP           UG/L    385.000
      177T100  008  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP      UG/L      0.500 <
      177T100  009  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICP        UG/L      3.000 <     10.000
      177T100  010  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICP        UG/L      5.000 <     50.000
      177T100  011  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP         UG/L      5.000 <   5000.000
      177T100  012  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP         UG/L      5.000 <
      177T100  013  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP           UG/L     50.000 <   1000.000
      177T100  014  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP      UG/L      5.000 <    150.000
      177T100  015  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP         UG/L      5.000 <
      177T100  016  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP         UG/L      3.000 <     50.000
      177T100  017  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP      UG/L   1128.000
      177T100  018  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP         UG/L      5.000 <
      177T100  019  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP           UG/L     50.000 <   5000.000
      177T100  020  32394  HARDNESS, CALC - MG/L                                   MG/L    179.000
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REPORT: PWOWP1N1
MODULE: PWOWM125

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES
SELECTED SAMPLE EXPANDED REPORT

PAGE: 275
DATE: 01/26/

FACILITY: 0971550 ROUND LAKE BEACH
TAP:
RAW SRCE:
STATUS: A PUBLIC: Y COMM: Y TYPE WATER:
STATUS:
STATUS:

SAMPLE NO: P20000600 LOCATION: ROUND LAKE BEACH 1641 WOOD ST
SMPL TYPE: RAW COLLECTOR: K SWANSON
SMPL PURP: 3-REPLACE COMMENTS:
SMPL PROG: C-CHEMICAL OBSRVATNS:

COLL DATE: 12/31/91 DELIVERED BY: MAIL
LAB RCVD: 01/02/92 RECEIVED BY: LPD
LAB COMPL: 02/10/92 LAB SUPERVISOR: RPF
SMPL PERIOD: 12/91 FUND CODE: PW30

ANALYSIS ID	RSLT NO	STORET NC	STORET DESCRIPTION	UNITS	RESULT	STANDARDS DRINK WTR	STANDARDS RAW WTR	TRIGGER LEVEL
100T000	001	00403	PH LABORATORY UNITS	UNITS	7.900			
100T000	001	00403	PH LABORATORY UNITS	UNITS	7.900			
101T000	001	00095	CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C	UM/CM	720.000			
101T000	001	00095	CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C	UM/CM	720.000			
102T000	001	70300	RESIDUE,TOTAL FILTERABLE 3180 C,MG/L	MG/L	431.000			
102T000	001	70300	RESIDUE,TOTAL FILTERABLE 3180 C,MG/L	MG/L	431.000			
103T000	001	00410	ALKALINITY,TOTAL MG/L AS CACO3	MG/L	381.000			
103T000	001	00410	ALKALINITY,TOTAL MG/L AS CACO3	MG/L	381.000			
105T000	001	00900	HARDNESS,EDTA MG/L AS CACO3	MG/L	427.000			
105T000	001	00900	HARDNESS,EDTA MG/L AS CACO3	MG/L	427.000			
107T000	001	00951	FLUORIDE,TOTAL MG/L AS F	MG/L	0.760	4.000		
107T000	001	00951	FLUORIDE,TOTAL MG/L AS F	MG/L	0.760	4.000		
108T000	001	00940	CHLORIDE,TOTAL MG/L AS CL	MG/L	1.100			
108T000	001	00940	CHLORIDE,TOTAL MG/L AS CL	MG/L	1.100			
109T000	001	00945	SULFATE,TOTAL MG/L AS SO4	MG/L	84.000			
109T000	001	00945	SULFATE,TOTAL MG/L AS SO4	MG/L	84.000			
110T000	001	00630	NITRATE & NITRITE TOTAL MG/L AS N	MG/L	0.010 <	10.000		
110T000	001	00630	NITRATE & NITRITE TOTAL MG/L AS N	MG/L	0.010 <	10.000		
111T000	001	00610	NITROGEN,AMMONIA TOTAL MG/L AS N	MG/L	0.280			
111T000	001	00610	NITROGEN,AMMONIA TOTAL MG/L AS N	MG/L	0.280			
114T000	001	00956	SILICA,TOTAL MG/L AS SIO2	MG/L	31.500			
114T000	001	00956	SILICA,TOTAL MG/L AS SIO2	MG/L	31.500			
115T000	001	00720	CYANIDE,TOTAL MG/L AS CN	MG/L	0.005 <	0.200		
115T000	001	00720	CYANIDE,TOTAL MG/L AS CN	MG/L	0.005 <	0.200		
144T000	001	01002	ARSENIC,TOTAR RECOVERABLE UG/L AS AS	UG/L	7.800	50.000		
144T000	001	01002	ARSENIC,TOTAR RECOVERABLE UG/L AS AS	UG/L	7.800	50.000		
151T100	001	01051	LEAD,TOTAL RECOVERABLE UG/L AS PB	UG/L	5.000 <	50.000		
151T100	001	01051	LEAD,TOTAL RECOVERABLE UG/L AS PB	UG/L	5.000 <	50.000		
153T000	001	71900	MERCURY,TOTAL UG/L AS HG	UG/L	0.050 <	2.000		
153T000	001	71900	MERCURY,TOTAL UG/L AS HG	UG/L	0.050 <	2.000		
155T000	001	01147	SELENIUM,TOTAL RECOVERABLE UG/L ASSE	UG/L	1.000 <	10.000		
155T000	001	01147	SELENIUM,TOTAL RECOVERABLE UG/L ASSE	UG/L	1.000 <	10.000		
177T100	001	00916	CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	73.700			
177T100	001	00916	CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	73.700			
177T100	002	00927	MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	59.400			
177T100	002	00927	MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP	MG/L	59.400			
177T100	003	00929	SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP	MG/L	16.200			
177T100	003	00929	SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP	MG/L	16.200			
177T100	004	00937	POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP	MG/L	1.700			
177T100	004	00937	POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP	MG/L	1.700			

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REPORT:  PWSWP04                ILLINOIS ENVIRONMENTAL PROTECTION AGENCY                          PAGE:      175
MODULE:  PWSWM026                  DIVISION OF PUBLIC WATER SUPPLIES                              DATE:   01/25/94
                                   SELECTED SAMPLE EXPANDED REPORT

  FACILITY:  0971550 ROUND LAKE BEACH                        *** CONTINUED ***

        177T100  005  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP    UG/L     150.000 <
        177T100  005  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP    UG/L     150.000 <
        177T100  005  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP     UG/L     118.000      1000.000
        177T100  006  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP     UG/L     118.000      1000.000
        177T100  007  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP       UG/L     105.000
        177T100  007  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP       UG/L     105.000
        177T100  008  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP UG/L       1.000 <
        177T100  008  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP UG/L       1.000 <
        177T100  009  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB    UG/L       5.000 <      10.000
        177T100  009  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB    UG/L       5.000 <      10.000
        177T100  010  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB    UG/L       5.000 <      50.000
        177T100  010  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB    UG/L       5.000 <      50.000
        177T100  011  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP     UG/L      10.000 <    5000.000
        177T100  011  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP     UG/L      10.000 <    5000.000
        177T100  012  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP     UG/L       5.000 <
        177T100  012  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP     UG/L       5.000 <
        177T100  013  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP       UG/L    1300.000      1000.000*
        177T100  013  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP       UG/L    1300.000      1000.000*
        177T100  014  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP UG/L      15.000 <     150.000
        177T100  014  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP UG/L      15.000 <     150.000
        177T100  015  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP     UG/L      15.000 <
        177T100  015  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP     UG/L      15.000 <
        177T100  016  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP     UG/L       5.000 <      50.000
        177T100  016  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP     UG/L       5.000 <      50.000
        177T100  017  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP UG/L     939.000
        177T100  017  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP UG/L     939.000
        177T100  018  01087  VANADIUM,TOTAL RECOVERAPLE UG/L ASV ANAL BY ICP     UG/L       5.000 <
        177T100  018  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP     UG/L       5.000 <
        177T100  019  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP       UG/L      50.000 <    5000.000
        177T100  019  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP       UG/L      50.000 <    5000.000
        177T100  020  82394  HARDNESS, CALC - MG/L                               MG/L     427.000
        177T100  020  82394  HARDNESS, CALC - MG/L                               MG/L     427.000

        SAMPLE NO: 311757900    LOCATION: ROUND LAKE BEACH 1309 EAST END       COLL DATE: 12/19/91    DELIVERED BY: MAIL
        SMPL TYPE: RAW          COLLECTOR: K SWANSON                            LAB RCVD: 12/20/91     RECEIVED BY: MAD
        SMPL PURP: 3-REPLACE     COMMENTS:                                     LAB COMPL: 02/07/92  LAB SUPERVISOR: RPF
        SMPL PROG: C-CHEMICAL    OBSRVATNS:                                  SMPL PERIOD: 12/91         FUND CODE: PW30

       ANALYSIS  RSLT  -------STORET-------                                                    -------STANDARDS-------    TRIGGER
          ID      NO    NO    DESCRIPTION                                UNITS     RESULT     DRINK WTR     RAW WTR      LEVEL

        100T000  001  00403  PH LABORATORY UNITS                         UNITS      8.100
        100T000  001  00403  PH LABORATORY UNITS                         UNITS      8.100
        101T000  001  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C        UM/CM    562.000
        101T000  001  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C        UM/CM    562.000
        102T000  001  70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L        MG/L     342.000
        102T000  001  70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L        MG/L     342.000
        103T000  001  00410  ALKALINITY,TOTAL MG/L AS CACO3              MG/L     213.000
        103T000  001  00410  ALKALINITY,TOTAL MG/L AS CACO3              MG/L     213.000
        105T000  001  00900  HARDNESS,EDTA MG/L AS CACO3                 MG/L     135.000
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REPORT:  PWSWP345                   ILLINOIS ENVIRONMENTAL PROTECTION AGENCY                     PAGE:      277
MODULE:  PWSWM026                    DIVISION OF PUBLIC WATER SUPPLIES                           DATE:  01/25/94
                                      SELECTED SAMPLE EXPANDED REPORT

  FACILITY:  0971550 ROUND LAKE BEACH                        *** CONTINUED ***

        105T000  001  00900  HARDNESS,EDTA MG/L AS CACO3                          MG/L      135.000
        107T000  001  00951  FLUORIDE,TOTAL MG/L AS F                             MG/L        0.990        4.000
        107T000  001  00951  FLUORIDE,TOTAL MG/L AS F                             MG/L        0.990        4.000
        103T000  001  00940  CHLORIDE,TOTAL MG/L AS CL                            MG/L        4.700
        103T000  001  00940  CHLORIDE,TOTAL MG/L AS CL                            MG/L        4.700
        109T000  001  00945  SULFATE,TOTAL MG/L AS SO4                            MG/L      128.000
        109T000  001  00945  SULFATE,TOTAL MG/L AS SO4                            MG/L      128.000
        110T000  001  00630  NITRATE & NITRITE TOTAL MG/L AS N                    MG/L        0.010 <     10.000
        110T000  001  00630  NITRATE & NITRITE TOTAL MG/L AS N                    MG/L        0.010 <     10.000
        111T000  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                     MG/L        0.310
        111T000  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                     MG/L        0.310
        114T000  001  00956  SILICA,TOTAL MG/L AS SIO2                            MG/L       18.800
        114T000  001  00956  SILICA,TOTAL MG/L AS SIO2                            MG/L       18.800
        116T000  001  00720  CYANIDE,TOTAL MG/L AS CN                             MG/L        0.005 <      0.200
        116T000  001  00720  CYANIDE,TOTAL MG/L AS CN                             MG/L        0.005 <      0.200
        144T000  001  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                 UG/L        1.000 <     50.000
        144T000  001  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                 UG/L        1.000 <     50.000
        151T100  001  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                    UG/L        5.000 <     50.000
        151T100  001  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                    UG/L        5.000 <     50.000
        153T000  001  71900  MERCURY,TOTAL UG/L AS HG                             UG/L        0.050 <      2.000
        153T000  001  71900  MERCURY,TOTAL UG/L AS HG                             UG/L        0.050 <      2.000
        155T000  001  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                 UG/L        1.000 <     10.000
        155T000  001  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                 UG/L        1.000 <     10.000
        177T100  001  00915  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP     MG/L       29.300
        177T100  001  00915  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP     MG/L       29.300
        177T100  002  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP MG/L       29.700
        177T100  002  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP MG/L       29.700
        177T100  003  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP      MG/L       63.300
        177T100  003  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP      MG/L       63.300
        177T100  004  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP    MG/L        2.000
        177T100  004  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP    MG/L        2.000
        177T100  005  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP     UG/L      150.000 <
        177T100  005  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP     UG/L      150.000 <
        177T100  006  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP      UG/L       35.000     1000.000
        177T100  006  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP      UG/L       35.000     1000.000
        177T100  007  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP        UG/L      535.000
        177T100  007  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP        UG/L      535.000
        177T100  008  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP UG/L        1.000 <
        177T100  008  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP UG/L        1.000 <
        177T100  009  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB     UG/L        5.000 <     10.000
        177T100  009  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB     UG/L        5.000 <     10.000
        177T100  010  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB     UG/L        5.000 <     50.000
        177T100  010  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB     UG/L        5.000 <     50.000
        177T100  011  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP      UG/L       10.000 <   5000.000
        177T100  011  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP      UG/L       10.000 <   5000.000
        177T100  012  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP      UG/L        5.000 <
        177T100  012  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP      UG/L        5.000 <
        177T100  013  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP        UG/L       91.000     1000.000
        177T100  013  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP        UG/L       91.000     1000.000
        177T100  014  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP UG/L       15.000 <    150.000
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FACILITY:  0971550 ROUND LAKE BEACH                                  *** CONTINUED ***

        177T100  014  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP UG/L      15.000 <    150.000
        177T100  015  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP    UG/L      15.000 <
        177T100  015  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP    UG/L      15.000 <
        177T100  016  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP    UG/L       5.000       50.000
        177T100  016  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP    UG/L       5.000       50.000
        177T100  017  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP UG/L    1100.000
        177T100  017  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP UG/L    1100.000
        177T100  018  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP    UG/L       5.000 <
        177T100  018  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP    UG/L       5.000 <
        177T100  019  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP      UG/L      50.000 <   5000.000
        177T100  019  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP      UG/L      50.000 <   5000.000
        177T100  020  62394  HARDNESS, CALC - MG/L                              MG/L     196.000
        177T100  020  62394  HARDNESS, CALC - MG/L                              MG/L     196.000

  FACILITY:  0971550 ROUND LAKE BEACH                          STATUS: A    PUBLIC: Y    COMM: Y    TYPE WATER:
       TAP:            01 WELL  1 TOMAHAWK DR OPP WARRIOR DR   STATUS: 0
  RAW SRCE:         20314 WELL  1 TOMAHAWK DR OPP WARRIOR DRIVE STATUS: B

       SAMPLE NO: Z004795     LOCATION: WELL                              COLL DATE: 12/16/86    DELIVERED BY:
       SMPL TYPE: RAW          COLLECTOR: IEPA SMPL COLLECTOR              LAB RCVD: 00/00/00     RECEIVED BY:
       SMPL PURP: S-SPEC/OTHR  COMMENTS:                                  LAB COMPL: 00/00/00  LAB SUPERVISOR:
       SMPL PROG: I-941 INORG  OBSRVATNS:                               SMPL PERIOD: 12/85        FUND CODE:

                                                                                          -------STANDARDS-------    TRIGGER
       ANALYSIS  RSLT -------STORET-------
          ID      NO    NO    DESCRIPTION                             UNITS      RESULT    DRINK WTR     RAW WTR     LEVEL

        0000001  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                       0.160
        0000001  002  00630  NITRATE & NITRITE TOTAL MG/L AS N                      0.100       10.000
        0000001  003  00665  PHOSPHORUS, TOTAL MG/L AS P                            0.010 <
        0000001  004  00720  CYANIDE,TOTAL MG/L AS CN                               0.010 <      0.200
        0000001  005  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP      64.000
        0000001  006  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP    13.000
        0000001  007  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP       17.000
        0000001  008  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP      5.400
        0000001  009  00940  CHLORIDE,TOTAL MG/L AS CL                              4.500
        0000001  010  00945  SULFATE,TOTAL MG/L AS SO4                             29.000
        0000001  011  00951  FLUORIDE,TOTAL MG/L AS F                               1.020        4.000
        0000001  012  00956  SILICA,TOTAL MG/L AS SIO2                              7.600
        0000001  013  00956  SILICA,TOTAL MG/L AS SIO2                              7.600
        0000001  014  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                   1.000 <     50.000
        0000001  015  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP       94.000     1000.000
        0000001  016  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP     0.500 <
        0000001  017  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP        158.000
        0000001  018  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB       3.000 <     10.000
        0000001  019  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB       5.000 <     50.000
        0000001  020  01037  COBALT,TOTAL RECOVERAPLE UG/L AS CO ANAL BY ICP        5.000 <
        0000001  021  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP        5.000 <   5000.000
        0000001  022  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP        300.000     1000.000
        0000001  023  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                      5.000 <     50.000
        0000001  024  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP     5.000      150.000
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FACILITY:  0971550 ROUND LAKE BEACH                                      *** CONTINUED ***

    0000001  025  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP            5.000 <
    0000001  026  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP            3.000 <     50.000
    0000001  027  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP      6418.000
    0000001  028  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP            5.000 <
    0000001  029  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP             50.000 <   5000.000
    0000001  030  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP          50.000 <
    0000001  031  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                       1.000 <     10.000
    0000001  032  32730  PHENOLS, TOTAL RECOVERABLE UG/L                            5.000 <
    0000001  033  71900  MERCURY,TOTAL UG/L AS HG                                   0.050 <      2.000
    0000001  034  00059  FLOW (PUMPING) RATE GAL/MIN                              900.000
    0000001  035  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                 25.000
    0000001  036  90410                                                           257.000

    SAMPLE NO: 0030316       LOCATION: WELL #1                     COLL DATE: 12/15/80     DELIVERED BY:
    SMPL TYPE: RAW          COLLECTOR: KENNETH SWANSON              LAB RCVD: 02/04/81      RECEIVED BY:
    SMPL PURP: 1-ROUTINE     COMMENTS:                             LAB COMPL:             LAB SUPERVISOR:
    SMPL PROG: I-GWM INORG OBSRVATNS:                          SMPL PERIOD: 12/80             FUND CODE:

  ANALYSIS  RSLT -------STORET-------                                                 -------STANDARDS-------    TRIGGER
     ID      NO    NO    DESCRIPTION                          UNITS       RESULT   DRINK WTR      RAW WTR       LEVEL

                 00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                      750.000
                 00403  PH LABORATORY UNITS                                         7.500
                 00410  ALKALINITY,TOTAL MG/L AS CACO3                            255.000
                 00610  NITROGEN,AMMONIA TOTAL MG/L AS N                            0.500
                 00630  NITRATE & NITRITE TOTAL MG/L AS N                           0.600       10.000
                 00720  CYANIDE,TOTAL MG/L AS CN                                   10.000        0.200*
                 00900  HARDNESS,EDTA MG/L AS CACO3                               348.000
                 00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP           48.000
                 00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP         56.000
                 00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP            38.000
                 00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP           0.900
                 00940  CHLORIDE,TOTAL MG/L AS CL                                   1.400
                 00945  SULFATE,TOTAL MG/L AS SO4                                 148.000
                 00951  FLUORIDE,TOTAL MG/L AS F                                    0.310        4.000
                 00955  SILICA,TOTAL MG/L AS SI02                                  27.000
                 01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                        1.000 <     50.000
                 01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP            60.000     1000.000
                 01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP          0.600 <
                 01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP             310.000
                 01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB            5.000 <     10.000
                 01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB           10.000       50.000
                 01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP             7.000 <
                 01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP            13.000     5000.000
                 01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP             720.000     1000.000
                 01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                           5.000 <     50.000
                 01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP         20.000      150.000
                 01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP            17.000
                 01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP             8.000 <     50.000
                 01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP       1740.000
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                                        ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
  REPORT:  PWGWPJ43                       DIVISION OF PUBLIC WATER SUPPLIES                                            PAGE:        280
  MODULE:  PWGWM026                       SELECTED SAMPLE EXPANDED REPORT                                              DATE:   01/26/94

  FACILITY:  0971550 ROUND LAKE BEACH                                 *** CONTINUED ***

                          01087   VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP                 10.000
                          01092   ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP                   29.000      5000.000
                          01147   SELENIUM,TOTAL RECOVERABLE UG/L ASSE                             1.000 <      10.000
                          70300   RESIDUE,TOTAL FILTERABLE 0180 C,MG/L                            472.000
                          70304   TOTAL DISSOLVED SOLIDS MG/L BY EC                               460.000
                          71900   MERCURY,TOTAL UG/L AS HG                                          0.050 <       2.000

       SAMPLE NO: ZJ04794         LOCATION: WELL                                              COLL DATE: 12/16/86     DELIVERED BY:
       SMPL TYPE: RAW             COLLECTOR: IEPA SMPL COLLECTOR                               LAB RCVD: 00/00/00      RECEIVED BY:
       SMPL PURP: S-SPEC/OTHR     COMMENTS:                                                   LAB COMPL: 00/00/00  LAB SUPERVISOR:
       SMPL PROG: V-VOC           OBSRVATNS:                                                SMPL PERIOD: 12/86         FUND CODE:

                                                                                                 -------STANDARDS-------      TRIGGER
      ANALYSIS  RSLT -------STORET-------                                                                                    LEVEL
         ID      NO     NO     DESCRIPTION                                   UNITS       RESULT    DRINK WTR     RAW WTR

      0000001   001   32101   BROMODICHLOROMETHANE UG/L CG/MS                              1.000 <
      0000001   002   32102   CARBON TETRACHLORIDE UG/L CG/MS                              1.000 <      5.000
      0000001   003   32103   1,2-DICHLOROETHANE UG/L                                      1.000 <      5.000
      0000001   004   32104   BROMOFORM UG/L CG/MS                                         1.000 <
      0000001   005   32105   DIBROMOCHLOROMETHANE UG/L GC/MS                              1.000 <
      0000001   006   32106   CHLOROFORM UG/L GC/MS                                        1.000 <
      0000001   007   34010   TOLUENE UG/L                                                 1.000 <   1000.000
      0000001   008   34030   BENZENE UG/L                                                 1.000 <      5.000
      0000001   009   34301   CHLOROBENZENE UG/L                                           1.000 <    100.000
      0000001   010   34371   ETHYLBENZENE UG/L                                            1.000 <    700.000
      0000001   011   34423   METHYLENE CHLORIDE UG/L                                      1.000 <      5.000
      0000001   012   34475   TETRACHLOROETHYLENE UG/L GC/MS                               1.000 <      5.000
      0000001   013   34496   1,1-DICHLOROETHANE UG/L GC/MS                                1.000 <
      0000001   014   34501   1,1-DICHLOROETHYLENE UG/L GC/MS                              1.000 <      7.000
      0000001   015   34506   1,1,1-TRICHLOROETHANE UG/L GC/MS                             1.000 <    200.000
      0000001   016   34546   TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS                        1.000 <    100.000
      0000001   017   39180   TRICHLOROETHYLENE UG/L                                       1.000 <      5.000
      0000001   018   00059   FLOW (PUMPING) RATE GAL/MIN                                900.000
      0000001   019   72004   FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                   25.000
      0000001   020   90410                                                              257.000
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                                              ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REPORT:  PWSWP040                               DIVISION OF PUBLIC WATER SUPPLIES                              PAGE:        231
MODULE:  PWSWM025                                SELECTED SAMPLE EXPANDED REPORT                               DATE:   01/26/94

  FACILITY:  0971550 ROUND LAKE BEACH                               STATUS: A    PUBLIC: Y    COMM: Y    TYPE WATER:
       TAP:       02 WELL  3 EAST END DR OPP WILDWOOD DR            STATUS: A
  RAW SRCE:    20315 WELL  3 EAST END DR OPP WILDWOOD DRIVE         STATUS: A

      SAMPLE NO: 2004771        LOCATION: WELL                                         COLL DATE: 12/16/86    DELIVERED BY:
      SMPL TYPE: RAW           COLLECTOR: IEPA SMPL COLLECTOR                           LAB RCVD: 00/00/00     RECEIVED BY:
      SMPL PURP: 5-SPEC/OTHR    COMMENTS:                                             LAB COMPL: 00/00/00  LAB SUPERVISOR:
      SMPL PROG: 1-GWA INORG OBSRVATNS:                                             SMPL PERIOD: 12/86          FUND CODE:

                                                                                               --------STANDARDS-------    TRIGGER
    ANALYSIS  RSLT -------STORET-------
       ID      NO    NO   DESCRIPTION                                       UNITS      RESULT    DRINK WTR     RAW WTR       LEVEL

    0000001   001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                              0.280
    0000001   002  00630  NITRATE & NITRITE TOTAL MG/L AS N                             0.100 <     10.000
    0000001   003  00665  PHOSPHORUS, TOTAL MG/L AS P                                   0.010 <
    0000001   004  00720  CYANIDE,TOTAL MG/L AS CN                                      0.010 <      0.200
    0000001   005  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP             28.000
    0000001   006  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP           29.000
    0000001   007  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP              63.000
    0000001   008  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP             1.100
    0000001   009  00940  CHLORIDE,TOTAL MG/L AS CL                                     4.600
    0000001   010  00945  SULFATE,TOTAL MG/L AS SO4                                   136.000
    0000001   011  00951  FLUORIDE,TOTAL MG/L AS F                                      0.960        4.000
    0000001   012  00956  SILICA,TOTAL MG/L AS SIO2                                    17.000
    0000001   013  00956  SILICA,TOTAL MG/L AS SIO2                                    17.000
    0000001   014  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                          1.000 <     50.000
    0000001   015  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP              37.000     1000.000
    0000001   016  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP            0.500 <
    0000001   017  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP               563.000
    0000001   018  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICP              3.000 <     10.000
    0000001   019  01034  CHROMIUM,TOTAL RECOVFRABLE UG/L ASCR ANAL BY ICB              5.000 <     50.000
    0000001   020  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP               5.000 <
    0000001   021  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP               5.000 <   5000.000
    0000001   022  01045  IRON,TOTAL RECOVERAPLF, UG/L AS FEANAL BY ICP                97.000     1000.000
    0000001   023  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                             5.000 <     50.000
    0000001   024  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP            5.000 <    150.000
    0000001   025  01067  NICKEL,TOTAL RECOVERABLF UG/L AS NI ANAL BY ICP               5.000 <
    0000001   026  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP               3.000 <     50.000
    0000001   027  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP         1082.000
    0000001   028  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP               5.000 <
    0000001   029  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP                50.000 <   5000.000
    0000001   030  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP             50.000 <
    0000001   031  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                          1.000 <     10.000
    0000001   032  32730  PHENOLS, TOTAL RECOVERABLE UG/L                               5.000 <
    0000001   033  70300  RESIDUE,TOTAL FILTERABLE 0180 C,MG/L                        314.000
    0000001   034  71900  MERCURY,TOTAL UG/L AS HG                                      0.050 <      2.000
    0000001   035  00010  WATER TEMPERATURE DEG C                                      11.500
    0000001   036  00059  FLOW (PUMPING) RATE GAL/MIN                                 200.000
    0000001   037  00090  OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS               167.000-
    0000001   038  00095  CONDUCTIVITY(FC)-LAB(UMHOS/CM @ 25 C                        615.000
    0000001   039  00400  PH PH UNITS                                                   7.900
    0000001   040  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                    45.000
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                                              ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REPORT:  PWSRP14                                 DIVISION OF PUBLIC WATER SUPPLIES                                    PAGE:        232
MODULE:  PWSM4026                                SELECTED SAMPLE EXPANDED REPORT                                      DATE:   01/26/94

  FACILITY:  0971550 ROUND LAKE BEACH                            *** CONTINUED ***

                                                                                      206.000
     0000001  041  00410

     SAMPLE NO: 3030303       LOCATION: WELL #3                                     COLL DATE: 12/15/80    DELIVERED BY:
     SMPL TYPE: RAW          COLLECTOR: KENNETH SWANSON                             LAB RCVD: 02/13/81     RECEIVED BY:
     SMPL PURP: 1-ROUTINE     COMMENTS:                                            LAB COMPL:           LAB SUPERVISOR:
     SMPL PROG: I-GWM INORG OBSRVATNS:                                            SMPL PERIOD: 12/80       FUND CODE:

                                                                                     -------STANDARDS-------   TRIGGER
   ANALYSIS  RSLT -------STORET-------                                                                           
      ID      NO    NO    DESCRIPTION                             UNITS     RESULT    DRINK WTR     RAW WTR      LEVEL

                  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                  630.000
                  00400  PH LABORATORY UNITS                                     7.800
                  00410  ALKALINITY,TOTAL MG/L AS CACO3                        193.000
                  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                        0.300
                  00630  NITRATE & NITRITE TOTAL MG/L AS N                       0.100 <    10.000
                  00720  CYANIDE,TOTAL MG/L AS CN                                0.005 <     0.200
                  00900  HARDNESS,EDTA MG/L AS CACO3                           192.000
                  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP       27.000
                  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP     28.000
                  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP        58.000
                  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP       1.100
                  00940  CHLORIDE,TOTAL MG/L AS CL                               4.000
                  00945  SULFATE,TOTAL MG/L AS SO4                             129.000
                  00951  FLUORIDE,TOTAL MG/L AS F                                1.020       4.000
                  00956  SILICA,TOTAL MG/L AS SIO2                              18.000
                  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                    1.000 <    50.000
                  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP        30.000    1000.000
                  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP      0.500 <
                  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP         510.000
                  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICP        2.000 <    10.000
                  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB        2.000 <    50.000
                  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP         2.000 <
                  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP         2.000 <  5000.000
                  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP          70.000    1000.000
                  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                       5.000 <    50.000
                  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP      2.000 <   150.000
                  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP         2.000 <
                  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP         2.000 <    50.000
                  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP    980.000
                  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP         2.000 <
                  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP           7.000    5000.000
                  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                    1.000 <    10.000
                  70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L                  385.000
                  70304  TOTAL DISSOLVED SOLIDS MG/L BY EC                     380.000
                  71900  MERCURY,TOTAL UG/L AS HG                                0.050 <     2.000

     SAMPLE NO: 2004770       LOCATION: WELL                                       COLL DATE: 12/16/86    DELIVERED BY:
     SMPL TYPE: RAW          COLLECTOR: IEPA SMPL COLLECTOR                         LAB RCVD: 00/00/00     RECEIVED BY:
     SMPL PURP: 5-SPEC/OTHR   COMMENTS:                                            LAB COMPL: 00/00/00  LAB SUPERVISOR:
     SMPL PROG: V-VOC         OBSRVATNS:                                          SMPL PERIOD: 12/86       FUND CODE:
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REPORT:  PWSRP045                  ILLINOIS ENVIRONMENTAL PROTECTION AGENCY                                  PAGE:        285
MODULE:  PWSWM020                   DIVISION OF PUBLIC WATER SUPPLIES                                        DATE:   01/26/94
                                     SELECTED SAMPLE EXPANDED REPORT

  FACILITY:  0971550 ROUND LAKE BEACH                              *** CONTINUED ***

                                                                                      -------STANDARDS-------    TRIGGER
     ANALYSIS  RSLT -------STORET-------                                                                          
        ID      NO     NO      DESCRIPTION                          UNITS     RESULT    DRINK WTR     RAW WTR     LEVEL

      0000001  001  32101  BROMODICHLOROMETHANE UG/L CG/MS                    1.000 <
      0000001  002  32102  CARBON TETRACHLORIDE UG/L CG/MS                    1.000 <      5.000
      0000001  003  32103  1,2-DICHLOROETHANE UG/L                            1.000 <      5.000
      0000001  004  32104  BROMOFORM UG/L CG/MS                               1.000 <
      0000001  005  32105  DIBROMOCHLOROMETHANE UG/L GC/MS                    1.000 <
      0000001  006  32106  CHLOROFORM UG/L GC/MS                              1.000 <
      0000001  007  34010  TOLUENE UG/L                                       1.000 <   1000.000
      0000001  008  34030  BENZENE UG/L                                       1.000 <      5.000
      0000001  009  34301  CHLOROBENZENE UG/L                                 1.000 <    100.000
      0000001  010  34371  ETHYLBENZENE UG/L                                  1.000 <    700.000
      0000001  011  34423  METHYLENE CHLORIDE UG/L                            1.000 <      5.000
      0000001  012  34475  TETRACHLOROETHYLENE UG/L GC/MS                     1.000 <      5.000
      0000001  013  34496  1,1-DICHLOROETHANE UG/L GC/MS                      1.000 <
      0000001  014  34501  1,1-DICHLOROETHYLENE UG/L GC/MS                    1.000 <      7.000
      0000001  015  34506  1,1,1-TRICHLOROETHANE UG/L GC/MS                   1.000 <    200.000
      0000001  016  34545  TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS              1.000 <    100.000
      0000001  017  39180  TRICHLOROETHYLENE UG/L                             1.000 <      5.000
      0000001  018  00010  WATER TEMPERATURE DEG C                           11.500
      0000001  019  00059  FLOW (PUMPING) RATE GAL/MIN                      200.000
      0000001  020  00090  OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS    167.000-
      0000001  021  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C             615.000
      0000001  022  00400  PH PH UNITS                                        7.900
      0000001  023  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN         45.000
      0000001  024  90410                                                   206.000

  FACILITY:  0971550 ROUND LAKE BEACH                  STATUS: A   PUBLIC: Y   CONM: Y   TYPE WATER:
       TAP:        03 WELL  4 NE COR SHOREWOOD DR & LESLIE BLV    STATUS: A
  RAW SRCE:    20316 WELL  4 NE                                    STATUS: A

      SAMPLE NO: 2004777       LOCATION: WELL                                COLL DATE: 02/27/85    DELIVERED BY:
      SMPL TYPE: RAW          COLLECTOR: IEPA SMPL COLLECTOR                 LAB RCVD: 00/00/00     RECEIVED BY:
      SMPL PURP: 5-SPEC/OTHR   COMMENTS:                                    LAB COMPL: 00/00/00  LAB SUPERVISOR:
      SMPL PROG: 3-GWM PEST   OBSRVATNS:                                  SMPL PERIOD: 02/85          FUND CODE:

                                                                                      -------STANDARDS-------    TRIGGER
     ANALYSIS  RSLT -------STORET-------
        ID      NO     NO      DESCRIPTION                          UNITS     RESULT    DRINK WTR     RAW WTR     LEVEL

      0000001  001  39023  PHORATE UG/L                                       0.010 <
      0000001  002  39300  P,P'-DDT UG/L                                      0.010 <
      0000001  003  39305  O,P'-DDT UG/L                                      0.010 <
      0000001  004  39310  P,P'-DDD UG/L                                      0.010 <
      0000001  005  39315  O,P'-DDD UG/L                                      0.010 <
      0000001  006  39320  P,P'-DDE UG/L                                      0.010 <
      0000001  007  39327  O,P'-DDE UG/L                                      0.010 <
      0000001  008  39330  ALDRIN UG/L                                        0.010 <      1.000
      0000001  009  39340  LINDANE UG/L                                       0.010 <      4.000
      0000001  010  39380  DIELDRIN UG/L                                      0.010 <      1.000
  FACILITY:  0971550 ROUND LAKE BEACH                    *** CONTINUED ***

        0000001  011  39390  ENDRIN UG/L                                  0.010 <     0.200
        0000001  012  39398  ETHION UG/L                                  0.010 <
        0000001  013  39400  TOXAPHENE UG/L                               1.000 <     5.000
        0000001  014  39410  HEPTACHLOR UG/L                              0.010 <     0.100
        0000001  015  39420  HEPTACHLOR EPOXIDE UG/L                      0.010 <     0.100
        0000001  016  39480  METHOXYCHLOR UG/L                            0.050 <   100.000
        0000001  017  39530  MALATHION UG/L                               0.010 <
        0000001  018  39570  DIAZINON UG/L                                0.010 <
        0000001  019  39600  METHYL PARATHION UG/L                        0.010 <
        0000001  020  39730  2,4-D UG/L                                   0.050 <    10.000
        0000001  021  39760  SILVEX UG/L                                  0.010 <    10.000
        0000001  022  81294  DYFONATE UG/L                                0.010 <
        0000001  023  82036  TERBUFOS (COUNTER) UG/L                      0.010 <
        0000001  024  00010  WATER TEMPERATURE DEG C                     12.000
        0000001  025  00059  FLOW (PUMPING) RATE GAL/MIN                180.000
        0000001  026  00090  OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS  186.000-
        0000001  027  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C       545.000
        0000001  028  00400  PH PH UNITS                                  7.000
        0000001  029  00410  ALKALINITY,TOTAL MG/L AS CACO3             192.000
        0000001  030  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN  115.000
        0000001  031  72019  DEPTH FROM LAND SURFACE TO WATER SURFACE    90.000
        0000001  032  90410                                             130.000

        SAMPLE NO: 01171400   LOCATION: ROUND LAKE BEACH          COLL DATE: 10/03/91   DELIVERED BY: MAIL
        SMPL TYPE: RAW        COLLECTOR: KENNETH SWANSE            LAB RCVD: 10/04/91    RECEIVED BY: PMD
        SMPL PURP: 1-ROUTINE   COMMENTS:                          LAB COMPL: 11/26/91  LAB SUPERVISOR: RPF
        SMPL PROG: C-CHEMICAL  OBSRVATNS:                       SMPL PERIOD: 10/91       FUND CODE: PW30

      ANALYSIS  RSLT -------STORET-------                                               -------STANDARDS-------    TRIGGER
         ID      NO    NO    DESCRIPTION                              UNITS    RESULT    DRINK WTR    RAW WTR       LEVEL

        100T000  001  00403  PH LABORATORY UNITS                      UNITS     8.000
        101T000  001  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C     UM/CM   540.000
        102T000  001  70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L     MG/L    321.000
        103T000  001  00410  ALKALINITY,TOTAL MG/L AS CACO3           MG/L    214.000
        105T000  001  00900  HARDNESS,EDTA MG/L AS CACO3              MG/L    162.000
        107T000  001  00951  FLUORIDE,TOTAL MG/L AS F                 MG/L      1.000       4.000
        108T000  001  00940  CHLORIDE,TOTAL MG/L AS CL                MG/L      3.900
        109T000  001  00945  SULFATE,TOTAL MG/L AS SO4                MG/L    101.000
        110T000  001  00630  NITRATE & NITRITE TOTAL MG/L AS N        MG/L      0.010 <    10.000
        111T000  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N         MG/L      0.410
        114T000  001  00955  SILICA,TOTAL MG/L AS SIO2                MG/L     17.500
        116T000  001  00720  CYANIDE,TOTAL MG/L AS CN                 MG/L      0.005 <     0.200
        144T000  001  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS     UG/L      1.000 <    50.000
        151T100  001  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB        UG/L      5.000 <    50.000
        153T000  001  71900  MERCURY,TOTAL UG/L AS HG                 UG/L      0.050 <     2.000
        155T000  001  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE     UG/L      1.000 <    10.000
        177T100  001  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP  MG/L   23.000
        177T100  002  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP MG/L  23.000
        177T100  003  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP   MG/L   62.000
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FACILITY:  0971550 ROUND LAKE BEACH                                   *** CONTINUED ***

   177T100  004  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP  MG/L       2.200
   177T100  005  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP   UG/L      50.000 <
   177T100  006  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP    UG/L      13.000     1000.000
   177T100  007  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP      UG/L     471.000
   177T100  008  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP UG/L       0.500 <
   177T100  009  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB   UG/L       3.000 <     10.000
   177T100  010  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB   UG/L       5.000 <     50.000
   177T100  011  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP    UG/L       5.000 <   5000.000
   177T100  012  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP    UG/L       5.000 <
   177T100  013  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP      UG/L      50.000 <   1000.000
   177T100  014  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP UG/L       5.000 <    150.000
   177T100  015  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP    UG/L       5.000 <
   177T100  016  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP    UG/L       3.000 <     50.000
   177T100  017  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP UG/L     814.000
   177T100  018  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP    UG/L       5.000 <
   177T100  019  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP      UG/L      50.000 <   5000.000
   177T100  020  32394  HARDNESS, CALC - MG/L                              MG/L     166.000

   SAMPLE NO: 2004776        LOCATION: WELL                                   COLL DATE: 02/27/85    DELIVERED BY:
   SMPL TYPE: RAW           COLLECTOR: IEPA SMPL COLLECTOR                     LAB RCVD: 00/00/00     RECEIVED BY:
   SMPL PURP: S-SPEC/OTHR   COMMENTS:                                         LAB COMPL: 00/00/00  LAB SUPERVISOR:
   SMPL PROG: I-GW4 INORG OBSRVATNS:                                         SMPL PERIOD: 02735        FUND CODE:

 ANALYSIS  RSLT -------STORET-------                                                      -------STANDARDS-------      TRIGGER
    ID      NO    NO    DESCRIPTION                                      UNITS    RESULT     DRINK WTR      RAW WTR      LEVEL

   0000001  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                               0.350
   0000001  002  00630  NITRATE & NITRITE TOTAL MG/L AS N                              0.100 <     10.000
   0000001  003  00665  PHOSPHORUS, TOTAL MG/L AS P                                    0.010
   0000001  004  00720  CYANIDE,TOTAL MG/L AS CN                                       0.010 <      0.200
   0000001  005  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP              23.000
   0000001  006  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP            20.000
   0000001  007  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP               80.000
   0000001  008  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP              1.900
   0000001  009  00940  CHLORIDE,TOTAL MG/L AS CL                                      3.100
   0000001  010  00945  SULFATE,TOTAL MG/L AS SO4                                    105.000
   0000001  011  00951  FLUORIDE,TOTAL MG/L AS F                                       0.930        4.000
   0000001  012  00955  SILICA,TOTAL MG/L AS SIO2                                     15.000
   0000001  013  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                           1.000 <     50.000
   0000001  014  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP               20.000     1000.000
   0000001  015  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP             0.500 <
   0000001  016  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP                585.000
   0000001  017  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB               3.000 <     10.000
   0000001  018  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICP               5.000 <     50.000
   0000001  019  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP                5.000 <
   0000001  020  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP                5.000 <   5000.000
   0000001  021  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP                 50.000 <   1000.000
   0000001  022  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                              5.000       50.000
   0000001  023  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP             5.000 <    150.000
   0000001  024  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP                5.000 <
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                                              ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REPORT:                                           DIVISION OF PUBLIC WATER SUPPLIES                              PAGE:        290
MODULE:                                          SELECTED SAMPLE EXPANDED REPORT                                  DATE:   01/26/94

  FACILITY:  0971550 ROUND LAKE BEACH                               *** CONTINUED ***

       0000001  025  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP              3.000 <    50.000
       0000001  026  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP         980.000
       0000001  027  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP              5.000 <
       0000001  028  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP               50.000 <  5000.000
       0000001  029  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP            50.000 <
       0000001  030  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                         1.000 <    10.000
       0000001  031  32730  PHENOLS, TOTAL RECOVERABLE UG/L                              5.000 <
       0000001  032  70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L                       365.000
       0000001  033  71900  MERCURY,TOTAL UG/L AS HG                                     0.100 <     2.000
       0000001  034  00010  WATER TEMPERATURE DEG C                                     12.000
       0000001  035  00059  FLOW (PUMPING) RATE GAL/MIN                                180.000
       0000001  036  00090  OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS              186.000-
       0000001  037  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                       545.000
       0000001  038  00400  PH PH UNITS                                                  7.000
       0000001  039  00410  ALKALINITY,TOTAL MG/L AS CACO3                             192.000
       0000001  040  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                  115.000
       0000001  041  72019  DEPTH FROM LAND SURFACE TO WATER SURFACE                    90.000
       0000001  042  00410                                                             180.000

       SAMPLE NO: 2004774      LOCATION: WELL                              COLL DATE: 11/08/84    DELIVERED BY:
       SMPL TYPE: RAW          COLLECTOR: IEPA SMPL COLLECTOR              LAB RCVD: 00/00/00     RECEIVED BY:
       SMPL PURP: 0-SPEC/OTHR  COMMENTS:                                   LAB COMPL: 00/00/00  LAB SUPERVISOR:
       SMPL PROG: I-GWM INORG OBSRVATNS:                                 SMPL PERIOD: 11/84        FUND CODE:

                                                                                      -------STANDARDS-------      TRIGGER
     ANALYSIS   RSLT -------STORET-------                                                                           LEVEL
        ID       NO    NO    DESCRIPTION                               UNITS    RESULT    DRINK WTR    RAW WTR

       0000001  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                             0.260
       0000001  002  00630  NITRATE & NITRITE TOTAL MG/L AS N                            0.460      10.000
       0000001  003  00665  PHOSPHORUS, TOTAL MG/L AS P                                  0.010 <
       0000001  004  00720  CYANIDE,TOTAL MG/L AS CN                                     0.030       0.200
       0000001  005  00915  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP            26.000
       0000001  006  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP          23.000
       0000001  007  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP             79.000
       0000001  008  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP            2.200
       0000001  009  00940  CHLORIDE,TOTAL MG/L AS CL                                    3.000
       0000001  010  00945  SULFATE,TOTAL MG/L AS SO4                                  104.000
       0000001  011  00951  FLUORIDE,TOTAL MG/L AS F                                     0.700       4.000
       0000001  012  00956  SILICA,TOTAL MG/L AS SIO2                                   14.000
       0000001  013  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                         1.000 <    50.000
       0000001  014  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP             54.000    1000.000
       0000001  015  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP           1.000 <
       0000001  016  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP              624.000
       0000001  017  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB             3.000 <    10.000
       0000001  018  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB             5.000 <    50.000
       0000001  019  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP              5.000 <
       0000001  020  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP              5.000 <  5000.000
       0000001  021  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP              125.000    1000.000
       0000001  022  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP          35.000     150.000
       0000001  023  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP              5.000 <
  FACILITY:  0971550 ROUND LAKE BEACH                              *** CONTINUED ***

         0000001  024  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP                3.000 <    50.000
         0000001  025  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP          1146.000
         0000001  026  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP                5.000 <
         0000001  027  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP                100.000 <  5000.000
         0000001  028  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP            1631.000
         0000001  029  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                           1.000 <    10.000
         0000001  030  32730  PHENOLS, TOTAL RECOVERABLE UG/L                                5.000 <
         0000001  031  70300  RESIDUE,TOTAL FILTERABLE 180 C,MG/L                          367.000
         0000001  032  71900  MERCURY,TOTAL UG/L AS HG                                       0.100 <     2.000
         0000001  033  00010  WATER TEMPERATURE DEG C                                       11.000
         0000001  034  00059  FLOW (PUMPING) RATE GAL/MIN                                  180.000
         0000001  035  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                         515.000
         0000001  036  00400  PH PH UNITS                                                    7.800
         0000001  037  00410  ALKALINITY,TOTAL MG/L AS CACO3                               194.000
         0000001  038  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                    120.000
         0000001  039  72019  DEPTH FROM LAND SURFACE TO WATER SURFACE                      84.000
         0000001  040  90410                                                               139.000

         SAMPLE NO: 2004773      LOCATION: WELL                                     COLL DATE: 10/01/84    DELIVERED BY:
         SMPL TYPE: RAW          COLLECTOR: IEPA SMPL COLLECTOR                      LAB RCVD: 00/00/00     RECEIVED BY:
         SMPL PURP: 5-SPEC/OTHR  COMMENTS:                                          LAB COMPL: 00/00/00 LAB SUPERVISOR:
         SMPL PROG: I-644 INORG OBSRVATNS:                                        SMPL PERIOD: 10/84         FUND CODE:

        ANALYSIS  RSLT -------STORET-------                                                   -------STANDARDS-------      TRIGGER
           ID      NO    NO    DESCRIPTION                               UNITS       RESULT   DRINK WTR     RAW WTR       LEVEL

         0000001  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                               0.370
         0000001  002  00630  NITRATE & NITRITE TOTAL MG/L AS N                              0.100 <    10.000
         0000001  003  00665  PHOSPHORUS, TOTAL MG/L AS P                                    0.010
         0000001  004  00720  CYANIDE,TOTAL MG/L AS CN                                       0.010 <     0.200
         0000001  005  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP              24.000
         0000001  006  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP            21.000
         0000001  007  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP               65.000
         0000001  008  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP              1.800
         0000001  009  00940  CHLORIDE,TOTAL MG/L AS CL                                      4.000
         0000001  010  00945  SULFATE,TOTAL MG/L AS SO4                                    110.000
         0000001  011  00951  FLUORIDE,TOTAL MG/L AS F                                       0.860       4.000
         0000001  012  00955  SILICA,TOTAL MG/L AS SIO2                                     15.000
         0000001  013  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                           1.000 <    50.000
         0000001  014  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP               25.000    1000.000
         0000001  015  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP             0.500 <
         0000001  016  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP                636.000
         0000001  017  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB               3.000 <    10.000
         0000001  018  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICP               5.000 <    50.000
         0000001  019  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP                5.000 <
         0000001  020  01042  COPPER,TOTAL RECOVERAPLE UG/L AS CU ANAL BY ICP                5.000 <  5000.000
         0000001  021  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP                 54.000    1000.000
         0000001  022  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                              5.000 <    50.000
         0000001  023  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP             5.000 <   150.000
         0000001  024  01067  NICKEL,TOTAL RECOVERAFLE UG/L AS NI ANAL BY ICP                5.000 <
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                                        ILLINOIS ENVIRONMENTAL PROTECTION AGENCY                                   PAGE:
 REPORT:  [illegible]                     DIVISION OF PUBLIC WATER SUPPLIES                                        DATE:   01/26/94
 MODULE:  [illegible]                     SELECTED SAMPLE EXPANDED REPORT

  FACILITY:  0971550 ROUND LAKE BEACH                               *** CONTINUED ***

       0000001  025  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP           3.000 <     50.000
       0000001  026  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP     1092.000
       0000001  027  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP           5.000 <
       0000001  028  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP            50.000 <   5000.000
       0000001  029  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP         50.000 <
       0000001  030  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                      5.000 <     10.000
       0000001  031  32730  PHENOLS, TOTAL RECOVERABLE UG/L                           5.000 <
       0000001  032  70300  RESIDUE,TOTAL FILTERABLE 3180 C,MG/L                    373.000
       0000001  033  71900  MERCURY,TOTAL UG/L AS HG                                  0.100 <      2.000
       0000001  034  00010  WATER TEMPERATURE DEG C                                  12.000
       0000001  035  00059  FLOW (PUMPING) RATE GAL/MIN                             180.000
       0000001  036  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                    540.000
       0000001  037  00400  PH PH UNITS                                               7.600
       0000001  038  00410  ALKALINITY,TOTAL MG/L AS CACO3                          192.000
       0000001  039  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN               135.000
       0000001  040  72019  DEPTH FROM LAND SURFACE TO WATER SURFACE                 47.000
       0000001  041  90410                                                          139.000

       SAMPLE NO: Z004772       LOCATION: WELL                          COLL DATE: 05/15/84   DELIVERED BY:
       SMPL TYPE: RAW            COLLECTOR: IEPA SMPL COLLECTOR           LAB RCVD: 00/00/00    RECEIVED BY:
       SMPL PURP: D-SPEC/OTHR  COMMENTS:                                 LAB COMPL: 00/00/00  LAB SUPERVISOR:
       SMPL PROJ: I-341 INORG OBSRVATNS:                               SMPL PERIOD: 05/84        FUND CODE:

                                                                                      -------STANDARDS--------    TRIGGER
     ANALYSIS  RSLT -------STORET-------                                                                             
        ID      NO    NO    DESCRIPTION                            UNITS     RESULT    DRINK WTR     RAW WTR       LEVEL

       0000001  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                          0.220
       0000001  002  00630  NITRATE & NITRITE TOTAL MG/L AS N                         0.140       10.000
       0000001  003  00665  PHOSPHORUS, TOTAL MG/L AS P                               0.050
       0000001  004  00720  CYANIDE,TOTAL MG/L AS CN                                  0.010 <      0.200
       0000001  005  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP         24.000
       0000001  006  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP       22.000
       0000001  007  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP          67.000
       0000001  008  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP         2.400
       0000001  009  00940  CHLORIDE,TOTAL MG/L AS CL                                 3.400
       0000001  010  00945  SULFATE,TOTAL MG/L AS SO4                               102.000
       0000001  011  00951  FLUORIDE,TOTAL MG/L AS F                                  0.900        4.000
       0000001  012  00956  SILICA,TOTAL MG/L AS SIO2                                15.000
       0000001  013  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                      1.000 <     50.000
       0000001  014  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP          22.000     1000.000
       0000001  015  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP        0.500 <
       0000001  016  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP           601.000
       0000001  017  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB          3.000 <     10.000
       0000001  018  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICP          7.000       50.000
       0000001  019  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP           5.000 <
       0000001  020  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP           5.000 <   5000.000
       0000001  021  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP            50.000 <   1000.000
       0000001  022  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                         5.000 <     50.000
       0000001  023  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP        5.000 <    150.000
       0000001  024  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP           5.000 <
 FACILITY:  0971550 ROUND LAKE BEACH                      *** CONTINUED ***

     0000001  025  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP               3.000 <     50.000
     0000001  026  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP         1048.000
     0000001  027  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP               5.000 <
     0000001  028  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP                50.000 <   5000.000
     0000001  029  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP             50.000 <
     0000001  030  01147  SELENIUM,TOTAL RECOVERAPLE UG/L ASSE                          1.000 <     10.000
     0000001  031  32730  PHENOLS, TOTAL RECOVERABLE UG/L                               5.000 <
     0000001  032  70300  RESIDUE,TOTAL FILTERABLE 3180 C,MG/L                        384.000
     0000001  033  71900  MERCURY,TOTAL UG/L AS HG                                      0.100 <      2.000
     0000001  034  00010  WATER TEMPERATURE DEG C                                      11.500
     0000001  035  00059  FLOW (PUMPING) RATE GAL/MIN                                 170.000
     0000001  036  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                        555.000
     0000001  037  00400  PH PH UNITS                                                   7.600
     0000001  038  00410  ALKALINITY,TOTAL MG/L AS CACO3                              183.000
     0000001  039  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                    50.000
     0000001  040  72019  DEPTH FROM LAND SURFACE TO WATER SURFACE                     76.000
     0000001  041  90410                                                              188.000

    SAMPLE NO: 5030314      LOCATION: WELL #4                          COLL DATE: 12/15/80    DELIVERED BY:
    SMPL TYPE: RAW         COLLECTOR: KENNETH SWANSON                   LAB RCVD: 02/18/81     RECEIVED BY:
    SMPL PURP: 1-ROUTINE    COMMENTS:                                  LAB COMPL:          LAB SUPERVISOR:
    SMPL PROG: I-SWH INORG OBSRVATNS:                               SMPL PERIOD: 12/80          FUND CODE:

   ANALYSIS  RSLT -------STORET-------                                                 -------STANDARDS-------      TRIGGER
      ID      NO    NO    DESCRIPTION                            UNITS      RESULT    DRINK WTR     RAW WTR       LEVEL

                  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                         580.000
                  00403  PH LABORATORY UNITS                                            7.300
                  00410  ALKALINITY,TOTAL MG/L AS CACO3                               190.000
                  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                               0.400
                  00630  NITRATE & NITRITE TOTAL MG/L AS N                              0.110 <     10.000
                  00720  CYANIDE,TOTAL MG/L AS CN                                       0.005 <      0.200
                  00900  HARDNESS,EDTA MG/L AS CACO3                                  163.000
                  00915  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP              25.000
                  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP            22.000
                  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP               69.000
                  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP              1.300
                  00940  CHLORIDE,TOTAL MG/L AS CL                                      3.100
                  00945  SULFATE,TOTAL MG/L AS SO4                                    108.000
                  00951  FLUORIDE,TOTAL MG/L AS F                                       0.910        4.000
                  00956  SILICA,TOTAL MG/L AS SIO2                                     15.000
                  01002  ARSENIC,TOTAL RECOVERABLE UG/L AS AS                           1.000 <     50.000
                  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP               30.000     1000.000
                  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP             0.500 <
                  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP                570.000
                  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB               4.000 <     10.000
                  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB               7.000 <     50.000
                  01037  COBALT,TOTAL RECOVERABLF UG/L AS CO ANAL BY ICP                6.000 <
                  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP                6.000     5000.000
                  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP                 40.000     1000.000
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FACILITY:  0971.50 ROUND LAKE BEACH                              *** CONTINUED ***

                         01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                                          5.000 <     50.000
                         01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP                          3.000      150.000
                         01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP                            14.000
                         01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP                             6.000 <     50.000
                         01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP                         95.000
                         01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP                             6.000 <
                         01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP                               5.000     5000.000
                         01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                                        1.000 <     10.000
                         70300  RESIDUE,TOTAL FILTERABLE 3180 C,MG/L                                      347.000
                         70304  TOTAL DISSOLVED SOLIDS MG/L BY EC                                         350.000
                         71900  MERCURY,TOTAL UG/L AS HG                                                    0.050 <      2.000

       SAMPLE NO: 2004775       LOCATION: WELL                                        COLL DATE: 02/27/85    DELIVERED BY:
       SMPL TYPE: RAW          COLLECTOR: IEPA SMPL COLLECTOR                          LAB RCVD: 00/00/00     RECEIVED BY:
       SMPL PURP: S-SPEC/OTHR   COMMENTS:                                             LAB COMPL: 00/00/00  LAB SUPERVISOR:
       SMPL PROG: V-VOC         OBSRVATNS:                                          SMPL PERIOD: 02/85          FUND CODE:

     ANALYSIS  RSLT -------STORET-------                                                      --------STANDARDS-------      TRIGGER
        ID      NO     NO    DESCRIPTION                                       UNITS     RESULT    DRINK WTR     RAW WTR       LEVEL

      0000001  001  32101  BROMODICHLOROMETHANE UG/L CG/MS                                1.000 <
      0000001  002  32102  CARBON TETRACHLORIDE UG/L CG/MS                                1.000 <      5.000
      0000001  003  32103  1,2-DICHLOROETHANE UG/L                                        1.000 <      5.000
      0000001  004  32104  BROMOFORM UG/L CG/MS                                           1.000 <
      0000001  005  32105  DIBROMOCHLOROMETHANE UG/L GC/MS                                1.000 <
      0000001  006  32106  CHLOROFORM UG/L GC/MS                                          1.000 <
      0000001  007  34010  TOLUENE UG/L                                                   1.000 <   1000.000
      0000001  008  34030  BENZENE UG/L                                                   1.000 <      5.000
      0000001  009  34301  CHLOROBENZENE UG/L                                             1.000 <    100.000
      0000001  010  34371  ETHYLBENZENE UG/L                                              1.000 <    700.000
      0000001  011  34423  METHYLENE CHLORIDE UG/L                                        1.000 <      5.000
      0000001  012  34475  TETRACHLOROETHYLENE UG/L GC/MS                                 1.000 <      5.000
      0000001  013  34496  1,1-DICHLOROETHANE UG/L GC/MS                                  1.000 <
      0000001  014  34501  1,1-DICHLOROETHYLENE UG/L GC/MS                                1.000 <      7.000
      0000001  015  34506  1,1,1-TRICHLOROETHANE UG/L GC/MS                               1.000 <    200.000
      0000001  016  39180  TRICHLOROETHYLENE UG/L                                         1.000 <      5.000
      0000001  017  00010  WATER TEMPERATURE DEG C                                       12.000
      0000001  018  00059  FLOW (PUMPING) RATE GAL/MIN                                  180.000
      0000001  019  00090  OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS                 186.000-
      0000001  020  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                         545.000
      0000001  021  00400  PH PH UNITS                                                    7.000
      0000001  022  00410  ALKALINITY,TOTAL MG/L AS CACO3                               192.000
      0000001  023  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                    115.000
      0000001  024  72019  DEPTH FROM LAND SURFACE TO WATER SURFACE                      90.000
      0000001  025  90410                                                               180.000
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                                        ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REPORT:  PWSWP04                          DIVISION OF PUBLIC WATER SUPPLIES                                PAGE:        291
MODULE:  PWSWMODS                         SELECTED SAMPLE EXPANDED REPORT                                  DATE:   01/26/94

  FACILITY:  0971550 ROUND LAKE BEACH                          STATUS: A   PUBLIC: Y   COMM: Y   TYPE WATER:
       TAP:        04 WELL  5 SE COR LONGLAKE DR & SOUTHMOOR L  STATUS: A
  RAW SRCE:     20317 WELL  5 SE COR LONGLAKE DR & SOUTHMOOR L  STATUS: A

      SAMPLE NO: H11391700    LOCATION: ROUND LAKE BEACH                         COLL DATE: 10/03/91   DELIVERED BY: MAIL
      SMPL TYPE: RAW         COLLECTOR: KENNETH SWANSEA                          LAB RCVD: 10/04/91     RECEIVED BY: PMD
      SMPL PURP: 1-ROUTINE    COMMENTS:                                         LAB COMPL: 11/25/91 LAB SUPERVISOR: RPF
      SMPL PROG: C-CHEMICAL  OBSRVATNS:                                      SMPL PERIOD: 10/91         FUND CODE: PW30

     ANALYSIS  RSLT -------STORET-------                                                       -------STANDARDS-------   TRIGGER
        ID      NO    NO    DESCRIPTION                                    UNITS     RESULT   DRINK WTR      RAW WTR     LEVEL

      100T000  001  00403  PH LABORATORY UNITS                            UNITS      8.000
      101T000  001  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C           UM/CM    563.000
      102T000  001  70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L           MG/L     337.000
      103T000  001  00410  ALKALINITY,TOTAL MG/L AS CACO3                 MG/L     141.000
      105T000  001  00900  HARDNESS,EDTA MG/L AS CACO3                    MG/L     194.000
      107T000  001  00951  FLUORIDE,TOTAL MG/L AS F                       MG/L       0.940       4.000
      108T000  001  00940  CHLORIDE,TOTAL MG/L AS CL                      MG/L       3.100
      109T000  001  00945  SULFATE,TOTAL MG/L AS SO4                      MG/L     104.000
      110T000  001  00630  NITRATE & NITRITE TOTAL MG/L AS N              MG/L       0.010 <    10.000
      111T000  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N               MG/L       0.320
      114T000  001  00956  SILICA,TOTAL MG/L AS SIO2                      MG/L      19.300
      116T000  001  00720  CYANIDE,TOTAL MG/L AS CN                       MG/L       0.005 <     0.200
      144T000  001  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS           UG/L       1.000 <    50.000
      151T100  001  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB              UG/L       5.000 <    50.000
      153T000  001  71900  MERCURY,TOTAL UG/L AS HG                       UG/L       0.050 <     2.000
      155T000  001  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE           UG/L       1.000 <    10.000
      177T100  001  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP   MG/L  27.000
      177T100  002  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP MG/L  24.000
      177T100  003  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP    MG/L  46.000
      177T100  004  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP  MG/L   1.400
      177T100  005  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP   UG/L  50.000 <
      177T100  006  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP    UG/L   9.000    1000.000
      177T100  007  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP      UG/L 406.000
      177T100  008  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP UG/L   0.500 <
      177T100  009  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB   UG/L   3.000 <    10.000
      177T100  010  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB   UG/L   5.000 <    50.000
      177T100  011  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP    UG/L   5.000 <  5000.000
      177T100  012  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP    UG/L   5.000 <
      177T100  013  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP      UG/L  50.000 <  1000.000
      177T100  014  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP UG/L   5.000 <   150.000
      177T100  015  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP    UG/L   5.000 <
      177T100  016  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP    UG/L   3.000 <    50.000
      177T100  017  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP UG/L 940.000
      177T100  018  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP    UG/L   5.000 <
      177T100  019  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP      UG/L  50.000 <  5000.000
      177T100  020  32394  HARDNESS, CALC - MG/L                              MG/L 164.000

      SAMPLE NO: Z004700      LOCATION: WELL                                     COLL DATE: 12/16/86   DELIVERED BY:
      SMPL TYPE: RAW         COLLECTOR: IEPA SMPL COLLECTOR                      LAB RCVD: 00/00/00     RECEIVED BY:
      SMPL PURP: 5-SPEC/OTHR  COMMENTS:                                         LAB COMPL: 00/00/00 LAB SUPERVISOR:
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   FACILITY:  0971550 ROUND LAKE BEACH                               *** CONTINUED ***

      SMPL PROG: 2-GWM INORG OBSRVATNS:                                             SMPL PERIOD: 12/55          FUND CODE:

                                                                                           --------STANDARDS--------      TRIGGER
    ANALYSIS  RSLT -------STORET-------                                                                                    LEVEL
       ID      NO     NO     DESCRIPTION                                    UNITS     RESULT     DRINK WTR     RAW WTR

    0000001   001   00610  NITROGEN,AMMONIA TOTAL MG/L AS N                              0.290
    0000001   002   00630  NITRATE & NITRITE TOTAL MG/L AS N                             0.110      10.000
    0000001   003   00665  PHOSPHORUS, TOTAL MG/L AS P                                   0.010 <
    0000001   004   00720  CYANIDE,TOTAL MG/L AS CN                                      0.010 <     0.200
    0000001   005   00915  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP             31.000
    0000001   006   00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP           26.000
    0000001   007   00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP              55.000
    0000001   008   00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP             1.200
    0000001   009   00940  CHLORIDE,TOTAL MG/L AS CL                                     3.100
    0000001   010   00945  SULFATE,TOTAL MG/L AS SO4                                   123.000
    0000001   011   00951  FLUORIDE,TOTAL MG/L AS F                                      0.890       4.000
    0000001   012   00956  SILICA,TOTAL MG/L AS SI02                                    17.000
    0000001   013   00956  SILICA,TOTAL MG/L AS SI02                                    17.000
    0000001   014   01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                          1.000 <    50.000
    0000001   015   01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP              14.000    1000.000
    0000001   016   01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP            0.500 <
    0000001   017   01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP               539.000
    0000001   018   01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB              3.000 <    10.000
    0000001   019   01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB              5.000 <    50.000
    0000001   020   01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP               5.000 <
    0000001   021   01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP               5.000 <  5000.000
    0000001   022   01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP                80.000    1000.000
    0000001   023   01051  LEAD,TOTAL RECOVERAPLE UG/L AS PB                             5.000 <    50.000
    0000001   024   01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP            5.000 <   150.000
    0000001   025   01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP               5.000 <
    0000001   026   01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP               3.000 <    50.000
    0000001   027   01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP         1037.000
    0000001   028   01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP               5.000 <
    0000001   029   01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP                50.000 <  5000.000
    0000001   030   01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP             50.000 <
    0000001   031   01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                          1.000 <    10.000
    0000001   032   32730  PHENOLS, TOTAL RECOVERABLE UG/L                               5.000 <
    0000001   033   70300  RESIDUE,TOTAL FILTERABLE S180 C,MG/L                        260.000
    0000001   034   71900  MERCURY,TOTAL UG/L AS HG                                      0.050 <     2.000
    0000001   035   00010  WATER TEMPERATURE DEG C                                      11.000
    0000001   036   00059  FLOW (PUMPING) RATE GAL/MIN                                 350.000
    0000001   037   00090  OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS               141.000-
    0000001   038   00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                        565.000
    0000001   039   00400  PH PH UNITS                                                   7.800
    0000001   040   72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                    15.000
    0000001   041   90410                                                              190.000

     SAMPLE NO: 8030295        LOCATION: WELL #5                          COLL DATE: 12/15/80     DELIVERED BY:
     SMPL TYPE: RAW          COLLECTOR: KENNETH SWANSON                    LAB RCVD: 01/09/81      RECEIVED BY:
     SMPL PURP: 1-ROUTINE       COMMENTS:                                 LAB COMPL:            LAB SUPERVISOR:
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   FACILITY:  U971550 ROUND LAKE BEACH                          *** CONTINUED ***

      SMPL PROG: I-GWM INORG OBSRVATNS:                                                    SMPL PERIOD: 12/80          FUND CODE:

     ANALYSIS   RSLT --------STORET--------                                                   --------STANDARDS--------        TRIGGER
        ID       NO     NO     DESCRIPTION                                   UNITS    RESULT     DRINK WTR      RAW WTR        LEVEL

                      00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                      610.000
                      00403  PH LABORATORY UNITS                                         7.800
                      00410  ALKALINITY,TOTAL MG/L AS CACO3                            137.000
                      00610  NITROGEN,AMMONIA TOTAL MG/L AS N                            0.100
                      00630  NITRATE & NITRITE TOTAL MG/L AS N                           0.100 <     10.000
                      00720  CYANIDE,TOTAL MG/L AS CN                                   10.000        0.200*
                      00900  HARDNESS,EDTA MG/L AS CACO3                               193.000
                      00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP           32.000
                      00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP         28.000
                      00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP            62.000
                      00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP           1.200
                      00940  CHLORIDE,TOTAL MG/L AS CL                                   2.300
                      00945  SULFATE,TOTAL MG/L AS SO4                                 129.000
                      00951  FLUORIDE,TOTAL MG/L AS F                                    0.880        4.000
                      00956  SILICA,TOTAL MG/L AS SI02                                  19.000
                      01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                        1.000 <     50.000
                      01007  BARIUM,TOTAL RECOVERAPLE UG/L AS BA ANAL BY ICP            15.000     1000.000
                      01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP          0.500 <
                      01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP             520.000
                      01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB            2.000 <     10.000
                      01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB            3.000 <     50.000
                      01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP             2.000 <
                      01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP             2.000 <   5000.000
                      01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP              97.000     1000.000
                      01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                           6.000       50.000
                      01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP          2.000 <    150.000
                      01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP             2.000 <
                      01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP             2.000 <     50.000
                      01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP       1040.000
                      01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP             2.000 <
                      01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP               6.000     5000.000
                      01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                        1.000 <     10.000
                      70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L                      377.000
                      70304  TOTAL DISSOLVED SOLIDS MG/L BY EC                         370.000
                      71900  MERCURY,TOTAL UG/L AS HG                                    0.050 <      2.000

      SAMPLE NO: Z004757       LOCATION: WELL                                   COLL DATE: 12/15/86     DELIVERED BY:
      SMPL TYPE: RAW           COLLECTOR: IEPA SMPL COLLECTOR       .           LAB RCVD: 00/00/00      RECEIVED BY:
      SMPL PURP: S-SPEC/OTHR   COMMENTS:                                       LAB COMPL: 00/00/00  LAB SUPERVISOR:
      SMPL PROG: V-VOC         OBSRVATNS:                                    SMPL PERIOD: 12/86          FUND CODE:
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                                          ILLINOIS ENVIRONMENTAL PROTECTION AGENCY                    PAGE:       194
REPORT:   PWGW-04                           DIVISION OF PUBLIC WATER SUPPLIES                         DATE:  01/26/94
MODULE:   PWGM026                          SELECTED SAMPLE EXPANDED REPORT

  FACILITY:  0971550 ROUND LAKE BEACH                           *** CONTINUED ***

                                                                                  --------STANDARDS-------    TRIGGER
    ANALYSIS  RSLT -------STORET-------                                           DRINK WTR    RAW WTR       LEVEL
       ID      NO    NO    DESCRIPTION                          UNITS     RESULT

     0000001   001  32101  BROMODICHLOROMETHANE UG/L CG/MS                 1.000 <
     0000001   002  32102  CARBON TETRACHLORIDE UG/L CG/MS                 1.000 <      5.000
     0000001   003  32103  1,2-DICHLOROETHANE UG/L                         1.000 <      5.000
     0000001   004  32104  BROMOFORM UG/L CG/MS                            1.000 <
     0000001   005  32105  DIBROMOCHLOROMETHANE UG/L GC/MS                 1.000 <
     0000001   006  32106  CHLOROFORM UG/L GC/MS                           1.000 <
     0000001   007  34010  TOLUENE UG/L                                    1.000 <   1000.000
     0000001   008  34030  BENZENE UG/L                                    1.000 <      5.000
     0000001   009  34301  CHLOROBENZENE UG/L                              1.000 <    100.000
     0000001   010  34371  ETHYLBENZENE UG/L                               1.000 <    700.000
     0000001   011  34423  METHYLENE CHLORIDE UG/L                         1.000 <      5.000
     0000001   012  34475  TETRACHLOROETHYLENE UG/L GC/MS                  1.000 <      5.000
     0000001   013  34496  1,1-DICHLOROETHANE UG/L GC/MS                   1.000 <
     0000001   014  34501  1,1-DICHLOROETHYLENE UG/L GC/MS                 1.000 <      7.000
     0000001   015  34506  1,1,1-TRICHLOROETHANE UG/L GC/MS                1.000 <    200.000
     0000001   016  34546  TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS           1.000 <    100.000
     0000001   017  39180  TRICHLOROETHYLENE UG/L                          1.000 <      5.000
     0000001   018  00010  WATER TEMPERATURE DEG C                        11.000
     0000001   019  00059  FLOW (PUMPING) RATE GAL/MIN                   350.000
     0000001   020  00090  OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS 141.000-
     0000001   021  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C          565.000
     0000001   022  00400  PH PH UNITS                                     7.800
     0000001   023  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN      15.000
     0000001   024  90410                                                190.000

  FACILITY:  0971550 ROUND LAKE BEACH                  STATUS: A    PUBLIC: Y    COMM: Y    TYPE WATER:
       TAP:       05 WELL  6 ROLLINS RD AT ROUTE 83    STATUS: A
  RAW SRCE:    20318 WELL  6 ROLLINS ROAD AT ROUTE 83  STATUS: A

     SAMPLE NO: 811391800    LOCATION: ROUND LAKE BEACH              COLL DATE: 10/03/91    DELIVERED BY: MAIL
     SMPL TYPE: RAW          COLLECTOR: KENNETH SWANSE                LAB RCVD: 10/04/91     RECEIVED BY: PMD
     SMPL PURP: 1-ROUTINE      COMMENTS:                             LAB COMPL: 11/25/91  LAB SUPERVISOR: RPF
     SMPL PROG: C-CHEMICAL    OBSRVATNS:                           SMPL PERIOD: 10/91         FUND CODE: PW30

                                                                                  --------STANDARDS-------    TRIGGER
    ANALYSIS  RSLT -------STORET-------                                           DRINK WTR    RAW WTR       LEVEL
       ID      NO    NO    DESCRIPTION                          UNITS     RESULT

     100T000   001  00403  PH LABORATORY UNITS                  UNITS      7.700
     101T000   001  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C UM/CM    554.000
     102T000   001  70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L MG/L     327.000
     103T000   001  00410  ALKALINITY,TOTAL MG/L AS CACO3       MG/L     151.000
     105T000   001  00900  HARDNESS,EDTA MG/L AS CACO3          MG/L     235.000
     107T000   001  00951  FLUORIDE,TOTAL MG/L AS F             MG/L       1.190        4.000
     108T000   001  00940  CHLORIDE,TOTAL MG/L AS CL            MG/L      11.000
     109T000   001  00945  SULFATE,TOTAL MG/L AS SO4            MG/L      40.000
     110T000   001  00630  NITRATE & NITRITE TOTAL MG/L AS N    MG/L       0.010 <     10.000
     111T000   001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N     MG/L       0.160
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                                        ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REPORT:  PWSWP 40                         DIVISION OF PUBLIC WATER SUPPLIES                                       PAGE:        295
MODULE:  PWSWM025                        SELECTED SAMPLE EXPANDED REPORT                                          DATE:   01/26/94

  FACILITY:  0971350 ROUND LAKE BEACH                                    *** CONTINUED ***

         114T000  001  00956  SILICA,TOTAL MG/L AS S102                                  MG/L       8.700
         115T000  001  00720  CYANIDE,TOTAL MG/L AS CN                                   MG/L       0.005 <       0.200
         144T000  001  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                       UG/L       1.000 <      50.000
         151T100  001  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                          UG/L       5.000 <      50.000
         153T000  001  71900  MERCURY,TOTAL UG/L AS HG                                   UG/L       0.050 <       2.000
         155T000  001  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                       UG/L       1.000 <      10.000
         177T100  001  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP           MG/L      49.000
         177T100  002  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP         MG/L      15.000
         177T100  003  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP            MG/L      17.000
         177T100  004  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP          MG/L       6.300
         177T100  005  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP           UG/L      50.000 <
         177T100  006  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP            UG/L      63.000      1000.000
         177T100  007  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP              UG/L     111.000
         177T100  008  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP         UG/L       0.500 <
         177T100  009  01027  CADMIUN,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB           UG/L       5.000 <      10.000
         177T100  010  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICH           UG/L       5.000 <      50.000
         177T100  011  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP            UG/L       5.000 <    5000.000
         177T100  012  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP            UG/L       5.000 <
         177T100  013  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP              UG/L     195.000      1000.000
         177T100  014  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP         UG/L       5.000 <     150.000
         177T100  015  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP            UG/L       5.000 <
         177T100  016  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP            UG/L       3.000 <      50.000
         177T100  017  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP         UG/L   18190.000
         177T100  018  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP            UG/L       5.000 <
         177T100  019  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP              UG/L      50.000 <    5000.000
         177T100  020  00900  HARDNESS, CALC - MG/L                                      MG/L     152.000

         SAMPLE NO: Z004306       LOCATION: WELL                                         COLL DATE: 12/16/86    DELIVERED BY:
         SMPL TYPE: RAW          COLLECTOR: IEPA SMPL COLLECTOR                          LAB RCVD: 00/00/00      RECEIVED BY:
         SMPL PURP: 5-SPEC/OTHR   COMMENTS:                                             LAB COMPL: 00/00/00 LAB SUPERVISOR:
         SMPL PROG: I-GWM INORG OBSRVATNS:                                             SMPL PERIOD: 12/86          FUND CODE:

        ANALYSIS  RSLT -------STORET-------                                                     --------STANDARDS--------    TRIGGER
           ID      NO     NO    DESCRIPTION                                     UNITS    RESULT     DRINK WTR     RAW WTR       LEVEL

         0000001  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                                  0.430
         0000001  002  00630  NITRATE & NITRITE TOTAL MG/L AS N                                 0.150        10.000
         0000001  003  00665  PHOSPHORUS, TOTAL MG/L AS P                                       0.010 <
         0000001  004  00720  CYANIDE,TOTAL MG/L AS CN                                          0.010 <       0.200
         0000001  005  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP                 46.000
         0000001  006  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP               54.000
         0000001  007  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP                  37.000
         0000001  008  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP                 1.000
         0000001  009  00940  CHLORIDE,TOTAL MG/L AS CL                                         1.000 <
         0000001  010  00945  SULFATE,TOTAL MG/L AS SO4                                       171.000
         0000001  011  00951  FLUORIDE,TOTAL MG/L AS F                                          0.990         4.000
         0000001  012  00956  SILICA,TOTAL MG/L AS S102                                        26.000
         0000001  013  00955  SILICA,TOTAL MG/L AS S102                                        26.000
         0000001  014  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                              1.000 <      50.000
         0000001  015  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP                  43.000      1000.000
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FACILITY:  0971550 ROUND LAKE BEACH                                   *** CONTINUED ***

      0000001  016  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP            0.500 <
      0000001  017  01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP               256.000
      0000001  018  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB              3.000 <      10.000
      0000001  019  01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICP              5.000 <      50.000
      0000001  020  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP               5.000 <
      0000001  021  01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP               5.000 <    5000.000
      0000001  022  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP               600.000      1000.000
      0000001  023  01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                             5.000 <      50.000
      0000001  024  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP            6.000       150.000
      0000001  025  01067  NICKEL,TOTAL RECOVERABLF UG/L AS NI ANAL BY ICP               5.000 <
      0000001  026  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP               3.000 <      50.000
      0000001  027  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP         1516.000
      0000001  028  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP               5.000 <
      0000001  029  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP                50.000 <    5000.000
      0000001  030  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP             54.000
      0000001  031  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                          1.000 <      10.000
      0000001  032  32730  PHENOLS, TOTAL RECOVERABLE UG/L                               5.000 <
      0000001  033  71900  MERCURY,TOTAL UG/L AS HG                                      0.120         2.000
      0000001  034  00010  WATER TEMPERATURE DEG C                                      11.000
      0000001  035  00059  FLOW (PUMPING) RATE GAL/MIN                                 280.000
      0000001  036  00090  OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS               144.000-
      0000001  037  00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                        725.000
      0000001  038  00400  PH PH UNITS                                                   7.800
      0000001  039  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                  1440.000
      0000001  040  90410                                                              257.000

      SAMPLE NO: B011165      LOCATION: WELL #5                        COLL DATE: 09/13/83     DELIVERED BY:
      SMPL TYPE: RAW          COLLECTOR: K SWANSON                      LAB RCVD: 11/01/83      RECEIVED BY:
      SMPL PURP: 1-ROUTINE    COMMENTS:                                 LAB COMPL:            LAB SUPERVISOR:
      SMPL PROG: E-GWM INORG OBSRVATNS:                              SMPL PERIOD: 09/83          FUND CODE:

                                                                            -------STANDARDS-------     TRIGGER
    ANALYSIS  RSLT -------STORET-------
       ID      NO    NO    DESCRIPTION                       UNITS      RESULT    DRINK WTR     RAW WTR      LEVEL

                   00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                     550.000
                   00403  PH LABORATORY UNITS                                        7.800
                   00410  ALKALINITY,TOTAL MG/L AS CACO3                           259.000
                   00610  NITROGEN,AMMONIA TOTAL MG/L AS N                           0.180
                   00630  NITRATE & NITRITE TOTAL MG/L AS N                          0.100 <      10.000
                   00720  CYANIDE,TOTAL MG/L AS CN                                   0.005 <       0.200
                   00900  HARDNESS,EDTA MG/L AS CACO3                              239.000
                   00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP          65.000
                   00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP        19.400
                   00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP           17.000
                   00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP          9.500
                   00940  CHLORIDE,TOTAL MG/L AS CL                                  5.000
                   00945  SULFATE,TOTAL MG/L AS SO4                                 30.000
                   00951  FLUORIDE,TOTAL MG/L AS F                                   1.050         4.000
                   00956  SILICA,TOTAL MG/L AS SIO2                                  9.000
                   01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                       1.000 <      50.000
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                                        ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
REPORT:   PWOAP040                        DIVISION OF PUBLIC WATER SUPPLIES                            PAGE:        297
MODULE:   PWOA4020                        SELECTED SAMPLE EXPANDED REPORT                              DATE:   01/26/94

 FACILITY:  0971550 ROUND LAKE BEACH                                 *** CONTINUED ***

                      01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP                100.000     1000.000
                      01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP                0.500 <
                      01022  BORON,TOTAL RECOVERABLE UG/L AS B ANAL BY ICP                  170.000
                      01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICH                 3.000 <     10.000
                      01034  CHROMIUM,TOTAL RECOVERABLE UG/L ASCR ANAL BY ICB                 5.000 <     50.000
                      01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP                  5.000 <
                      01042  COPPER,TOTAL RECOVERABLE UG/L AS CU ANAL BY ICP                  3.000 <   5000.000
                      01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP                  320.000     1000.000
                      01051  LEAD,TOTAL RECOVERABLE UG/L AS PB                                5.000 <     50.000
                      01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP               5.000 <    150.000
                      01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP                  6.000
                      01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP                  5.000 <     50.000
                      01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP            7380.000
                      01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP                  4.000 <
                      01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP                   25.000     5000.000
                      01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                             1.000 <     10.000
                      70300  RESIDUE,TOTAL FILTERABLE @180 C,MG/L                           327.000
                      70304  TOTAL DISSOLVED SOLIDS MG/L BY EC                              330.000
                      71900  MERCURY,TOTAL UG/L AS HG                                         0.100 <      2.000

     SAMPLE NO: Z004505       LOCATION: WELL                                  COLL DATE: 12/16/86    DELIVERED BY:
     SMPL TYPE: RAW           COLLECTOR: IEPA SMPL COLLECTOR                   LAB RCVD: 00/00/00     RECEIVED BY:
     SMPL PURP: 5-SPEC/OTHR   COMMENTS:                                       LAB COMPL: 00/00/00  LAB SUPERVISOR:
     SMPL PROG: V-VOC          OBSRVATNS:                                    SMPL PERIOD: 12/86         FUND CODE:

                                                                                       -------STANDARDS-------      TRIGGER
    ANALYSIS   RSLT -------STORET-------
      ID        NO    NO     DESCRIPTION                               UNITS      RESULT     DRINK WTR     RAW WTR       LEVEL

     0000001   001   32101  BROMODICHLOROMETHANE UG/L CG/MS                          1.000 <
     0000001   002   32102  CARBON TETRACHLORIDE UG/L CG/MS                          1.000 <      5.000
     0000001   003   32103  1,2-DICHLOROETHANE UG/L                                  1.000 <      5.000
     0000001   004   32104  BROMOFORM UG/L CG/MS                                     1.000 <
     0000001   005   32105  DIBROMOCHLOROMETHANE UG/L GC/MS                          1.000 <
     0000001   006   32106  CHLOROFORM UG/L GC/MS                                    1.000 <
     0000001   007   34010  TOLUENE UG/L                                             1.000 <   1000.000
     0000001   008   34030  BENZENE UG/L                                             1.000 <      5.000
     0000001   009   34301  CHLOROBENZENE UG/L                                       1.000 <    100.000
     0000001   010   34371  ETHYLBENZENE UG/L                                        1.000 <    700.000
     0000001   011   34423  METHYLENE CHLORIDE UG/L                                  1.000 <      5.000
     0000001   012   34475  TETRACHLOROETHYLENE UG/L GC/MS                           1.000 <      5.000
     0000001   013   34496  1,1-DICHLOROETHANE UG/L GC/MS                            1.000 <
     0000001   014   34501  1,1-DICHLOROETHYLENE UG/L GC/MS                          1.000 <      7.000
     0000001   015   34506  1,1,1-TRICHLOROETHANE UG/L GC/MS                         1.000 <    200.000
     0000001   016   34546  TRANS-1,2-DICHLOROETHYLENE UG/L GC/MS                    1.000 <    100.000
     0000001   017   39180  TRICHLOROETHYLENE UG/L                                   1.000 <      5.000
     0000001   018   00010  WATER TEMPERATURE DEG C                                 11.000
     0000001   019   00059  FLOW (PUMPING) RATE GAL/MIN                            280.000
     0000001   020   00090  OXIDATION-REDUCTION POTENTIAL (EH) MILLIVOLTS          144.000-
     0000001   021   00095  CONDUCTIVITY(EC)-LAB(UMHOS/CM @ 25 C                   725.000
     0000001   022   00400  PH PH UNITS                                              7.800
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FACILITY:  0971550 ROUND LAKE BEACH                          *** CONTINUED ***

      0000001  023  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                  1440.000
      0000001  024  70410    .                                                         257.000

FACILITY:  0971550 ROUND LAKE BEACH                       STATUS: A    PUBLIC: Y    COMM: Y    TYPE WATER:
     TAP:            06 WELL   7 NW COR CEDAR LAKE & OAKWOOD DR      STATUS: A
RAW SRCE:        20519 WELL   7 NW COR CEDAR LAKE & OAKWOOD DR      STATUS: A

      SAMPLE NO: 2004704      LOCATION: WELL                               COLL DATE: 12/16/86    DELIVERED BY:
      SMPL TYPE: RAW          COLLECTOR: IEPA SMPL COLLECTOR               LAB RCVD: 00/00/00     RECEIVED BY:
      SMPL PURP: 5-SPEC/OTHR  COMMENTS:                                   LAB COMPL: 00/00/00  LAB SUPERVISOR:
      SMPL PROG: I-GWM INORG OBSRVATNS:                                 SMPL PERIOD: 12/86           FUND CODE:

      ANALYSIS  RSLT -------STORET-------                                                        -------STANDARDS-------       TRIGGER
         ID      NO     NO     DESCRIPTION                                 UNITS      RESULT     DRINK WTR       RAW WTR       LEVEL

      0000001  001  00610  NITROGEN,AMMONIA TOTAL MG/L AS N                              0.430
      0000001  002  00630  NITRATE & NITRITE TOTAL MG/L AS N                             0.100 <     10.000
      0000001  003  00665  PHOSPHORUS, TOTAL MG/L AS P                                   0.010 <
      0000001  004  00720  CYANIDE,TOTAL MG/L AS CN                                      0.010 <      0.200
      0000001  005  00916  CALCIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP             63.000
      0000001  006  00927  MAGNESIUM,TOTAL RECOVERABLE MG/L AS CA ANAL BY ICP           24.000
      0000001  007  00929  SODIUM,TOTAL RECOVERABLE MG/L AS NA ANAL BY ICP              25.000
      0000001  008  00937  POTASSIUM,TOTAL RECOVERABLE MG/L AS K ANAL BY ICP             7.700
      0000001  009  00940  CHLORIDE,TOTAL MG/L AS CL                                    17.000
      0000001  010  00945  SULFATE,TOTAL MG/L AS SO4                                    55.000
      0000001  011  00951  FLUORIDE,TOTAL MG/L AS F                                      0.600        4.000
      0000001  012  00956  SILICA,TOTAL MG/L AS S102                                     7.900
      0000001  013  00956  SILICA,TOTAL MG/L AS S102                                     7.900
      0000001  014  01002  ARSENIC,TOTAR RECOVERABLE UG/L AS AS                          1.000 <     50.000
      0000001  015  01007  BARIUM,TOTAL RECOVERABLE UG/L AS BA ANAL BY ICP              79.000     1000.030
      0000001  016  01012  BERYLLIUM,TOTAL RECOVERABLE UG/L AS BE ANAL BY ICP            0.500 <
      0000001  017  01022  BORON,TOTAL RECOVFRABLE UG/L AS B ANAL BY ICP               137.000
      0000001  018  01027  CADMIUM,TOTAL RECOVERABLE UG/L AS CD ANAL BY ICB              3.000 <     10.000
      0000001  019  01034  CHROMIUM,TOTAL RECOVERAPLE UG/L ASCR ANAL BY IC5              5.000 <     50.000
      0000001  020  01037  COBALT,TOTAL RECOVERABLE UG/L AS CO ANAL BY ICP               5.000 <
      0000001  021  01042  COPPER,TOTAL RECOVERAPLE UG/L AS CU ANAL BY ICP               5.000 <   5000.000
      0000001  022  01045  IRON,TOTAL RECOVERABLE, UG/L AS FEANAL BY ICP               389.000     1000.000
      0000001  023  01051  LEAD,TOTAL RECOVERABLE UG/L AS PH                             5.000 <     50.000
      0000001  024  01055  MANGANESE,TOTAL RECOVERABLE UG/L AS MN ANAL BY ICP            7.000      150.000
      0000001  025  01067  NICKEL,TOTAL RECOVERABLE UG/L AS NI ANAL BY ICP               5.000 <
      0000001  026  01077  SILVER,TOTAL RECOVERABLE UG/L AS AG ANAL BY ICP               3.000 <     50.000
      0000001  027  01082  STRONTIUM,TOTAL RECOVERABLE UG/L AS SR ANAL BY ICP         4005.000
      0000001  028  01087  VANADIUM,TOTAL RECOVERABLE UG/L ASV ANAL BY ICP               5.000 <
      0000001  029  01092  ZINC,TOTAL RECOVERABLE UG/L AS ZN ANAL BY ICP                50.000 <   5000.000
      0000001  030  01105  ALUMINUM,TOTAL RECOVERABLE UG/L ASAL ANAL BY ICP             50.000 <
      0000001  031  01147  SELENIUM,TOTAL RECOVERABLE UG/L ASSE                          1.000 <     10.000
      0000001  032  32730  PHENOLS, TOTAL RECOVERABLE UG/L                               5.000 <
      0000001  033  71900  MERCURY,TOTAL UG/L AS HG                                      0.050 <      2.000
      0000001  034  00059  FLOW (PUMPING) RATE GAL/MIN                                 980.000
      0000001  035  72004  FLOW (PUMPING) TIME PRIOR TO SAMPLING MIN                    25.000
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APPENDIX G

City Round Lake Beach County Lake

Section 16 Twp. No. 45N Range 10E

Location (in feet from section corner)

Owner Shorewood - Ridge Wood #1 Authority

Contractor Address

Date drilled 1948. Elev. above sea level top of well

Depth 342' Well #3 ?

Log

Were drill cuttings saved Where filed

Size hole If reduced, where and how much

Casing record

Distance to water when not pumping Distance to water is

feet after pumping at G. P. M. for hours.

Reference point for above measurements

Type of pump Cook T. Distance to cylinder 240' x 5"

Length of cylinder Length of suction pipe below cylinder 20' x 4"

Length ~~stroke~~ Air line 260' Speed

Hours used per day Type of power

Rating of motor 1765RPM Rating of pump in G. P. M. 118 / 338 Hd.

Can following be measured: (1) Static water level no.

(2) Pumping level no (3) Discharge

(4) Influence on other wells

Temperature of water Was water sample collected

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder W J Ward

Date 2 3-57

3807-22617 12

Round Lake Beach - 0971550
Well # 3 - 20315

Bull 40 Hanson Additional Information

City Round Lake Beach County Lake

Section 16 Twp. No. 45N Range 10 E

Location (in feet from section corner)

Owner Shorewood - Ridgewood #2 Authority

Contractor Address

Date drilled 1952 Elev. above sea level top of well

Depth 314 Well #4 ?

Log

Were drill cuttings saved Where filed

Size hole 6" If reduced, where and how much

Casing record

Distance to water when not pumping 45 12-19-52 Distance to water is 126

feet after pumping at 200 G. P. M. for hours.

Reference point for above measurements

Type of pump B. J. T. Distance to cylinder 120' x 4"

Length of cylinder 6" 31 Sta Length of suction pipe below cylinder 10' x 4"

Length air line ~~stroke~~ 120' Speed

Hours used per day Type of power U. S.

Rating of motor 20 HP. Rating of pump in G. P. M. 200 w/ 219' Hd.

Can following be measured: (1) Static water level

(2) Pumping level (3) Discharge

(4) Influence on other wells

Temperature of water Was water sample collected

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder WJ W

Date 2-3-59

2807-2261

Round Lake Beach - 0971550

Well #4 - 20316

Dr. Larson We suspect Iron Sulfide Bacteria, Can you check sp Mn

City Round Lake Beach County Lake see Hank Mueller

Section 19 Twp. No. 45N Range 10E

Location (in feet from section corner) 830'W & 100'N of the SE corner of the NE 1/4

Owner Village of Round Lake Beach Authority

Contractor Henry Boysen Co. Address 192 Petersen, Libertyville

Date drilled Nov. 1956 Elev. above sea level top of well

Depth 300 feet Well #5 ?

Log

Were drill cuttings saved no Where filed

Size hole 10 If reduced, where and how much

Casing record 10" BLK

Distance to water when not pumping 75' Distance to water is 87'

feet after pumping at 500 G. P. M. for 1 hours.

Reference point for above measurements

Type of pump turbine Distance to cylinder

Length of cylinder Length of suction pipe below cylinder

Length stroke Speed

Hours used per day Type of power

Rating of motor 50 Rating of pump in G. P. M. 500

Can following be measured: (1) Static water level yes

(2) Pumping level yes (3) Discharge yes

(4) Influence on other wells yes

Temperature of water Was water sample collected yes

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No. 168514

Recorder

Round Lake Beach - 0971550

Well #5 - 20317

Date

WELL PRODUCTION TEST
VILLAGE OF ROUND LAKE BEACH - 0971550
LAKE COUNTY
Hoover Water Well Services

WELL NO. 6 - 20318

Owner:	Village of Round Lake Beach
Location:	LKE 45N10E-15.7e 2600'S, 1300'E of NWcor
Date of Test:	May 15-16, 1972 (see remarks)
Length of Test:	24 hours
Aquifer:	Sandstone

WELL DATA

PUMPED WELL

Well No:	6
Depth:	1287'
Driller:	Hoover Water Well Serv.
Hole Record:	20" 0-601', 16" 601-1067', 12" 1067-1287'
Casing Record:	20" 0-258', 16" 0-601' (cemented), 12" 569-1067'
Screen Record:	
Gravel Pack Record:	
Pump & Power:	
Surface Elevation:	790'
Measuring Point:	
Measuring Equipment:	495' airline, 6x4" orifice
Water Sample:	
Static Level:	358' below MP

Remarks: Well tested 4/7-8/72, before shooting
SWL 355'
DWL 485'
GPM 275/23 hrs

Well tested 5.15-16/72, after shooting with 2 - 200 lbs shots of nitro-gel at 1190' and 1210'

Located SE of Rollins Rd & Rte 83

Round Lake Beach - 0971550
Well #6 - 20318

0971550
Village of Round Lake Beach - Well No. 6 - 20318
LKE 45N10E-15.7e

Drillers Log

Formation	Depth (ft)		
Glacial drift	0	to	258
Limestone	258		398
Shale	398		543
Dolomite	543		830
Sandstone	830		964
Prairie du Chien	964		1060
Trempeleau & Franconia	1060		1125
Sandstone	1125		1250
Eau Claire	1250		1287

HENRY BOYSEN COMPANY

192 PETERSON ROAD LIBERTYVILLE, ILLINOIS 60048 STATE LICENSE 92.480 (AREA CODE 312) 362-7700

July 8, 1986

Now WELL #8 for Round Lake Beac

Round Lake Beach - 0971550
well #8 - 00408

Round Lake Sanitary District
P. O. Box 175
Round Lake, Illinois 60073

Attn: Mr. A. D. Valentin

Subject: Water Well at Round Lake Sanitary District Property

Dear Mr. Valentin,

The water well located on the Sanitary District's property at Hawthorne and Sunset Streets in Round Lake was drilled in 1949 by our company. This water well is 249 feet deep. The log on this well is as follows:

DEPTH IN FEET	FORMATION
1- 3	Top Soil
3- 20	Yellow Clay
20- 80	Blue Clay
80-212	Sandy Clay
212-250	Grey Limestone

We have enclosed a photocopy of the driller's log and also a photocopy of the water well data card. This is all the information we have regarding the construction of this water well.

Very truly yours,

HENRY BOYSEN COMPANY

George E. Gaffke

GEG/ts

Enclosure

Location = 1250'S + 1300'E NW/c Section 20, T45N, R10E

WATER SPECIALISTS · WELL DRILLING · SURVEYS · PUMPS · DISTRIBUTION SYSTEMS · TREATMEN

Round Lake Beach - 0971550
Well #9 - 00409

VILLAGE OF ROUND LAKE BEACH

TEST HOLE AT RTE. 83 & ROLLINS RD.

WELL LOG

Well #9

DEPTH FROM	DEPTH TO	FORMATION
0	2	Fill Material
2	7	Peat
7	15	Brown Clay
15	27	Blue Clay
27	31	Sand & Gravel
31	95	Blue Clay
95	123	Blue Clay & Gravel
123	125	Sand-Large Gravel
125	128	Sandy Clay
128	132	Sand
132	133	Sand & Clay
133	149	Sand
149	161	Coarse Sand
161		Sandy Clay

NOTE:
1. Installed 10 feet of .15 slot screen with 7 feet of open area.
2. Top of screen at 151 feet - bottom at 161 feet.
3. Static water level is 87 feet below grade.

UNIVERSITY OF ILLINOIS-URBANA
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